



WASHINGTON STATE PATROL IMPAIRED DRIVING SECTION

2021 – 2023 DRAEGER SOFTWARE VALIDATION

WINCE: 8322797 VERSION 5.14

M16: 8322798 VERSION 1.2

CONFIG: 8322796 VERSION 3.1

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Final IOC

INTEROFFICE COMMUNICATION

WASHINGTON STATE PATROL



TO: Lieutenant Jeffrey Leonard, Impaired Driving Section

FROM: Sergeant Susan Harbour, Impaired Driving Section

SUBJECT: Draeger Software Validation

DATE: June 20, 2023

Since the last software update, finalized in 2017, the Washington State Patrol Impaired Driving Section (WSP IDS) identified a need to revise the software employed by the evidential breath test instrument known as the Draeger Alcotest 9510. The requested modifications were cumulative over time and intended to address various user enhancements as well as one legislative change. The requested functionality changes do not affect the instrument's metrological functions or algorithms.

The software approved in February, 2017 from which the new versions were created contained the following components:

- WinCE: 8322797 version 5.11
- M16: 8322798 version 0.9
- Config: 8322796 2.7

The user enhancements included how the instrument handles specific data entry for the observation time, restricting the allowable observation time to a two-hour window preceding the current time displayed on the instrument. Other enhancements include the ability to scan American Association of Motor Vehicle Administrators (AAMVA)-compliant driver licenses and identification cards, addition of a gender X option, and the removal of a default selection for "Subject Ethnic Group." Additional modifications addressed technician processes and addresses how the instrument responds to certain status codes. The legislative change refers to the repeal of 9A.72.085 RCW Perjury and Interference with Official Proceedings/ Unsworn statements, certification-Standards for subscribing to an unsworn statement. The reference to the RCW is no longer on the printed breath test documents.

The following is a synopsis of the changes requested and the work accomplished, including a timeline of events. Attached are additional documents supporting the acceptance of the proposed software version and are offered as exhibits.

On June 29, 2021 Draeger Safety Diagnostics International (DSDI) submitted a software package for validation. The software was delivered in response to a software change order from the Washington State Patrol. The software revisions were requested to address nine (9) identified areas for improvement. Three (3) additional requests were made during the validation procedure and two (2) of those requests were implemented in the final version of the software. The list of changes is contained in the "Washington State Patrol Alcotest 9510 Functionality Modification List." Validation was performed via a Quality Assurance Procedure (QAP) and by independently verifying that requested changes were delivered.



The software package delivered on June 29, 2021 contained the following components:

- WinCE: 8322797 version 5.12
- M16: 8322798 version 1.0
- Config: 8322796 2.8

On July 22, 2021, four technicians were provided with instructions regarding the installation and testing of the software. Worksheets were provided to record the results. The software was installed on four instruments: ARAH-0094, AREH-0024, ARJN-0047, and ARKA-0043.

Trooper Justin Rumsey performed the QAP and validation on instrument ARAH-0094; Trooper John Axtman performed the QAP and validation on instrument AREH-0024; Forensic Scientist Ruth Cramer performed the QAP and validation on instrument ARJN-0047; Trooper Mike Qunell performed the QAP and validation on instrument ARKA-0043.

When testing the allowable observation times, all four instruments allowed entries outside of the expected two-hour window prior to the current time on the instrument. In addition, contrary to what was requested, all four instruments listed measurement procedure options which do not generate printouts. The software package was therefore rejected. Draeger was notified and revised software was requested.

On September 27, 2021 DSDI submitted new versions of software for validation. Validation was once again performed via a QAP and by independently verifying that requested changes were delivered, if not addressed through the QAP.

The revised software package contained the following components:

- WinCE: 8322797 version 5.13
- M16: 8322798 version 1.0
- Config: 8322796 2.9

The software was installed on four instruments: ARAH-0094, AREH-0023, ARJN-0047, and ARKC-0022.

Trooper Rumsey performed the QAP and validation on instrument ARAH-0094; Trooper Axtman performed the QAP and validation on instrument AREH-0023; Forensic Scientist Cramer performed the QAP and validation on instrument ARJN-0047; Trooper Qunell performed the QAP and validation on instrument ARKC-0022.

Supplemental validation was performed by Trooper Qunell, Trooper Rumsey, and Trooper Axtman to further validate how the instrument handles specific data entry for the observation time. Supplemental validation was also performed by Trooper Qunell and Trooper Rumsey specifically to validate instrument functioning when a disabling code is followed by a non-disabling code.

During additional testing of the disabling algorithm, it was noted that the instrument did not put itself out of service when a CAL GAS SUPPLY Status Code 3 was encountered. The software package was therefore rejected. Draeger was notified and revised software was requested.

Prior to November 6, 2022, the Washington Administrative Code (WAC 448-16-060) indicated the mean of the four breath samples would be rounded to four decimal places when determining agreement of duplicate breath samples. The algorithm employed by the Draeger truncates the mean. The WSP IDS requested a change to the Draeger's algorithm to reconcile the two methods. Revised software (WinCE: 8322797 version 5.13 - M16: 8322798 version 1.1 - Config: 8322796 3.0) was made available on August 9, 2022.

This version of the software was never accepted, downloaded, viewed, installed, nor tested. The decision was made to revise the WAC to coincide with the algorithm employed by the Draeger software installed on evidential instruments currently in use in Washington. The change to the WAC was effective November 6, 2022. Draeger revised the software to revert the algorithm employed to verify agreement of duplicate breath samples back to the original method of truncating the mean and included a change to correct the handling of Status Code 3.

The revised software package delivered on September 23, 2022 contained the following components:

- WinCE: 8322797 version 5.13
- M16: 8322798 version 1.2
- Config: 8322796 3.0

The software was installed on six instruments: ARAF-0010, ARAH-0094, ARKA-0041, ARKB-0012, ARKC-0022, and ARKD-0019.

Trooper Darren Wilkes performed the QAP and validation on instrument ARAF-0010; Trooper Justin Rumsey performed the QAP and validation on instrument ARAH-0094; Trooper Chris Hooper performed the QAP and validation on instrument ARKA-0041; Forensic Scientist Shelley Benante performed the QAP and validation on instrument ARKB-0012; Trooper Mike Qunell performed the QAP and validation on instrument ARKC-0022; Trooper Kyle Dahl performed the QAP and validation on instrument ARKD-0019.

During testing of functionality request two listed below, the instruments automatically generated printed documents for CAL GAS SUPPLY Status Code 3, EXT. STANDARD FAILED Status Code 21, and CHECK AIRWAY Status Code 40. In addition, with the addition of the gender X option, the gender was by default "Male." The software was therefore rejected. Draeger was notified and revised software was requested to address the unexpected printing and default settings for both gender and ethnicity selections.

Revised software delivered on November 11, 2022 contained the following components:

- WinCE: 8322797 version 5.14
- M16: 8322798 version 1.2
- Config: 8322796 3.1

The software was initially installed on one instrument (ARKA-0019). A QAP and testing was performed by Forensic Scientist Shelley Benante. Minor modifications and clarifications were made to the validation procedure and technician worksheets. The instrument performed as expected.

The software was then installed on six instruments (ARAF-0010, AREH-0024, ARKA-0072, ARKC-0022, ARKD-0019, and ARJN-0023) and testing was performed by pairs of technicians:

- Trooper Darren Wilkes and Sergeant Pedro Zepeda performed the QAP and validation on instrument ARAF-0010.
- Trooper John Axtman and Trooper Justin Rumsey performed the QAP and validation on instrument AREH-0024.
- Trooper Chris Hooper and Trooper Tanya Wright performed the QAP and validation on instrument ARKA-0072.
- Forensic Scientist Ruth Cramer and Trooper Mike Qunell performed the QAP and validation on instrument ARKC-0022.
- Trooper Kyle Dahl and Trooper Nate Dashiell performed the QAP and validation on instrument ARKD-0019.
- Sergeant Susan Harbour and Trooper Kate LeCount performed the QAP and validation on instrument ARJN-0023.

The instrument performed as expected.

Each requested modification is noted in the “Washington State Patrol Alcotest 9510 Functionality Modification List” documents. A summary and the validation of all changes follows:

1. The parsing functionality was to be modified to support reading Driver Licenses with barcode encoding that comply with the AAMVA DL/ID Card Design Standard from 2020. During data entry, technicians scanned versions of Washington State, Oregon, New York, and Idaho Driver’s Licenses. Technicians verified the gender option was correctly identified, verified all data could be altered by the operator, and verified polled data is correct. The change reflects what was requested.
2. A change was requested to modify the manner in which the instrument handles a disabling status code followed by a non-disabling status code. The disabling algorithm is designed to place the instrument out of service based on specific status codes. This change request ensures the instrument is placed out of service if a “disabling” status code is recorded even if a “non-disabling” status code occurs subsequently. After a status code is generated in measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test), status codes

generated subsequent to data-logging and prior the conditional disabling algorithm will no longer prevent the instrument from exposing the original status code to the conditional disabling algorithm. The technicians tested the disabling algorithm by eliciting a non-disabling status code after a disabling status code was recorded and verified that the instrument places itself out of service. The change reflects what was requested.

3. The requested change would allow the technician to select a specific cylinder during a Supervisor Test. The instrument will respond to input from "Gas Inlet" section in the dialog settings screen, instead of input setting from the "Set Cylinder" function. The technicians verified the active cylinder was 1 (then 2). The technicians set up to run a Supervisor Test and selected cylinder to 2 (then 1) then ran a supervisory test to determine the selected cylinder is accessed during the Supervisor Test. The change reflects what was requested.
4. The requested change was for the removal of all measurement procedure options which do not generate printouts from the Reprint function "Database type" drop-down selection list. The technicians verified the identified measurement options were no longer in the drop-down selection list. The change reflects what was requested.
5. The requested change was to insert one extra vertical line feed between "Officer Signature" line and "Location Signed" line on the Evidential Test external printout. The technicians verified the requested spacing is present on the breath test document.
6. The requested change was to modify the instrument functionality in measurement procedure 1 (Evidential Breath Test) and 2 (Training Breath Test) so instrument displays observation countdown timer when the entered observation start time is between 0 and 15 minutes prior to the current instrument time. The technicians tested several time scenarios to verify a countdown timer was triggered when the observation start time is between 0 and 15 minutes inclusive prior to the displayed time on the instrument. The allowable observation time entry is also restricted to a two-hour window prior to the current time displayed on the instrument. The technicians tested several scenarios to verify the restriction. The technicians verified the instrument performed as expected and the change reflects what was requested.
7. The requested change was for the instrument functionality to be modified in the Reprint menu option. When a search list is populated and a selection is made, the instrument will display a simplified feedback screen. The simplified feedback screen will contain information (including subject last name, subject DOB, and operator last name) for the operator to know that the desired record was selected from the search list. Technicians verified abbreviated information is displayed on the "Reprint screen" after selecting a record to be reprinted and verified the selected document corresponds to the selected

record. The change reflects what was requested.

8. The requested change was to modify the signature block of the Breath Test Document generated by the instrument system during measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test) to include an updated Penalty of Perjury Statement and remove the RCW reference. The technicians verified each breath test document has the following penalty of perjury statement and signature block:

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

The change reflects what was requested.

9. The requested change was for the instrument functionality to be modified so that during manual data entry for Subject Gender, a third gender option is available and no selection is indicated by default. This would be reflected as an "X" in the display, data entry, and data storage of the Subject Gender. Technician verified three gender options were present during data entry and the proper data transmitted during polling. The change reflects what was requested.
10. The requested change was for the instrument functionality to be modified so that the instrument places itself out of service when a CAL GAS SUPPLY Status Code 3 was encountered. The technicians forced the instrument to encounter a Status Code 3 and verified the instrument would place itself out of service in the Evidential Mode. The change reflects what was requested.
11. A request was made to change how the instrument determines sample agreement. The software version implementing this change was not accepted nor tested. The request was made to revert back to the original method of determining sample agreement (truncating the mean of all four results). Draeger engineers verified the proper functioning of the algorithm.
12. While testing software at the Draeger facility, Draeger engineers allowed for printouts to be automatically generated for results other than a Refusal, an Incomplete, or Complete Breath Test. A request was made to automatically generate a document only in the case of a Refusal, an Incomplete or a Complete Breath Test. During the software validation,

technicians monitored the automated printing. The change reflects what was requested.

13. The requested change was for the instrument functionality to be modified so that no selection is indicated by default for "Gender." The technician verified no selection is indicated by default. The change reflects what was requested.

14. The requested change was for the instrument functionality to be modified so that no selection is indicated by default for "Subject Ethnic Group." The technician verified no selection is indicated by default. The change reflects what was requested.

Each of the attached listed changes in this software version performed as expected. The instruments displayed data as expected when polled.

Based on the results of the validation procedure, I recommend the software package containing the following components:


- WinCE: 8322797 version 5.14
- M16: 8322798 version 1.2
- Config: 8322796 3.1

be approved for deployment in all Draeger Alcotest 9510 instruments in Washington State.

The manufacturer has provided documentation regarding the changes requested and implemented. Draeger also provided documentation attesting that the analytical properties of the instrument have not changed due to the software modifications.



Attachment

I have reviewed the software validation documents and recommend approval

 6/26/2023

Reviewed + approval recommended
CB 6-27-2023

I have reviewed validation/QAP documents (Software Validation Notebook 2f, dated 06/22/2023) and this summary IOC. The following software versions are approved for use and deployment in all Draeger Alcotest 9510 instruments in Washington State: Win CE 8322797 version 5.14, M16 8322798 version 1.2, and Config 8322796 version 3.1.

Approved 7-6-2023  Fiona Couper, State Toxicologist

Draeger Declaration

To Whom It May Concern

Unser Zeichen

TAS-tvh

Tel.

+49 451 882-4823

Fax

E-Mail

Thomas.vonhoege@draeger.com

May,08th, 2023

Dräger Alcotest 9510 Washington State

STATEMENT

Due to customer requirements we have implemented the following changes into the Alcotest 9510 used at Washington State Patrol:

1. The device accepts both styles of Washington State driver licenses (pre -2017 and "new style" October 2017)
2. Modifications of status code handling
3. Modification of measurement procedure 6 ('Supervisor Test)
4. Remove of "Database type" from drop-down selection list
5. Change of external printout: add a vertical line feed below "Officer signature"
6. Correction of Observation Start Time handling
7. Update of the Reprint menu option
8. Remove reference to 9A.72.085 from printout measurement procedure 1 or 2
9. Add option for third gender
10. Change of handling CAL GAS SUPPLY status code during a breath test sequence
(If the mentioned status code occurs during a breath test sequence the instrument will proceed to take itself out of service.No further breath test sequence can be started)

11. The mean of all four results (IR1, EC1, IR2 and EC2) will be calculated and truncated to four digits following the decimal. This mean will be used to calculate the upper (mean*1.1) and lower (mean*0.9) tolerance limit truncated to three digits following the decimal
12. External printout for measurement 1 and 2 in case of no error or refusal or incomplete test
13. No default is selected for the gender data input
14. No default is selected for the ethnic group data input

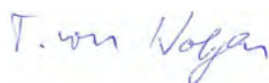
For further detail: Please notice the attachment.

The new version of the device is released on November 11th, 2022.

	Current version	New version Part-#; /Version
WinCE application:	8322797 / V5.11	8322797 / V5.14
Measurement System M16 Firmware	8322798 / V 0.9	8322798 / V 1.2
Configuration	8322796 / V 2.7	8322796 / V 3.1

The changes in this firmware, configuration and WinCE Application do not affect metrological functions, algorithms or other settings of the updated device. All device specific data will remain in the device.

Yours sincerely



Thomas von Hoegen
Approval Engineer Alcotest & Drugtest
Research & Development

Attachment:

Washington State Patrol Alcotest 9510 Functionality Modification List

Alcotest 9510

Functionality Modification List

Washington State Patrol Alcotest 9510 Functionality Modification List

Delivery for Evaluation: November 11, 2022

WinCE application:

Part Number 8322797, Version 5.14 (0x2B9D)

Measurement System (M16) Firmware:

Part Number 8322798, Version 1.2 (0x3F84)

Configuration: Part Number:

Part Number 8322796, Version 3.1 (0xE495/0xC365)

Item	Modification	Status
1.	Support the successful scanning of both pre-2017 and "new-style" October 2017 Washington State driver licenses with corresponding data encoding. The instrument will seamlessly support either style. Parsing functionality shall be designed to support reading Driver Licenses with barcode encoding that comply with the AAMVA DL/ID Card Design Standard from 2020.	Implemented in delivered Software Version
2.	Modification of status code handling. After a status code is generated in measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test), status codes generated subsequent to data-logging and prior the conditional disabling algorithm do not prevent the instrument from exposing the original status code to the conditional disabling algorithm.	Implemented in delivered Software Version
3.	Modification to measurement procedure 6 (Supervisor Test). The used Input corresponds now to the "Gas Inlet" section in the native dialog settings screen.	Implemented in delivered Software Version
4.	Removal of all "Database type" from drop-down selection list in Reprint function which do not generate printouts.	Implemented in delivered Software Version
5.	Inserted one extra vertical line feed between "Officer Signature" line and "Location Signed" line on the measurement procedure 1 (Evidential Breath Test) external printout.	Implemented in delivered Software Version
6.	Corrected Observation Start Time handling. For measurement procedure 1 (Evidential Breath Test) and 2 (Training Breath Test) the instrument displays observation countdown timer when the entered observation start time is between 0 and 15 minutes ago from the current instrument time.	Implemented in delivered Software Version
7.	Update of the Reprint menu option. Instead of when a search list is populated and a selection is made with no discernable action from the instrument other than returning to the search list, the instrument will display a feedback screen. The feedback screen contains information including subject last name, subject DOB, operator last name and record number).	Implemented in delivered Software Version
8.	Remove the reference to 9A.72.085 from the printout in measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test).	Implemented in delivered Software Version
9.	Added third Gender Option during manual data entry for Subject Gender. This will be reflected as an "X" in the display, data entry, and printing of the Subject Gender. For automatic driver license scanning, the "X" is used as well.	Implemented in delivered Software Version
10.	Change of handling CAL GAS SUPPLY status code during a breath test sequence.	Implemented in delivered Software Version

	<p>If the mentioned status code occurs during a breath test sequence the instrument will proceed to take itself out of service.</p> <p>No further breath test sequence can be started.</p>	
11.	<p>The mean of all four results (IR1, EC1, IR2 and EC2) will be calculated and truncated to four digits following the decimal. This mean will be used to calculate the upper (mean*1.1) and lower (mean*0.9) tolerance limit truncated to three digits following the decimal</p>	Implemented in delivered Software Version
12.	<p>An External Printout for Measurement 1 and 2 is only generated in case of no Error or Error 46 (Refusal) and Error 56 (Test Incomplete)</p>	Implemented in delivered Software Version
13.	<p>No Default is selected for the Gender Data Input</p>	Implemented in delivered Software Version
14.	<p>No Default is selected for the Ethnic Group Data Input</p>	Implemented in delivered Software Version

Software version 5.12, 1.0, 2.8

Software version 5.12, 1.0, 2.8

Requested modifications:

1. Support the successful scanning of all current Washington State driver licenses as well as all licenses with barcode encoding which complies with the AAMVA DL/ID Card Design Standard from 2020.
2. Modification of status code handling to ensure proper instrument response.
3. Allow cylinder selection during a Supervisor Test.
4. Remove reprint selections from the drop-down list which do not generate printed documents.
5. Adjust the spacing on the printed breath test documents.
6. Restrict acceptable observation times to a two-hour window and ensure a countdown timer is displayed when the entered observation start time is between 0 and 15 minutes inclusive prior to the current instrument time.
7. Include a reprint feedback screen to display the subject last name, subject DOB, operator last name, and record number of the record selected.
8. Update the "Penalty of Perjury Statement" and remove the reference to 9A.72.085 RCW.
9. Add a third gender option, "X," which will can be manually entered or auto-populated from scanning the license or identification card.

The software package delivered on June 29, 2021 contained the following components:

- WinCE: 8322797 version 5.12
- M16: 8322798 version 1.0
- Config: 8322796 2.8

On July 22, 2021, four technicians were provided with instructions regarding the installation and testing of the software. Worksheets were provided to record the results.

BAC Technician	Draeger Instrument
Trooper Justin Rumsey	ARAH-0094
Trooper John Axtman	AREH-0024
Forensic Scientist Ruth Cramer	ARJN-0047
Trooper Mike Qunell	ARKA-0043

When testing the allowable observation times, all four instruments allowed entries outside of the expected two-hour window prior to the current time on the instrument. In addition, contrary to what was requested, all four instruments listed measurement procedure options which do not generate printouts. The software package was therefore rejected. Draeger was notified and revised software was requested.

Alcotest 9510 Functionality Change Request Quotation

Washington State Patrol

March 31, 2021

Quotation Number: LF20210331G

Functionality Change Specifications

Item	Specification/Requirement
1	<p>Functionality change requests to be branched from/based on following current software status:</p> <p>WinCE p/n 8322797 v5.11 0x2615</p> <p>M16 p/n 8322798 v0.9 0xCFEB</p> <p>Config p/n 8322796A/NA, v2.7, 0x61F1/0x4422</p> <p>Bootloader: 8323536 1.5</p> <p>Image: 8322915 1.8</p>
2	<p>Washington Alcotest® 9510 (instrument) functionality to be modified in measurement procedure 1 (Evidential Breath Test) and 2 (Training Breath Test) to support the successful scanning of both pre-2017 and "new-style" October 2017 Washington State driver licenses with corresponding data encoding. New style encoding presently cannot be read by the instruments. The instrument will seamlessly support either style. No user interface changes will occur, so operator will not need to know which style is scanned or further interact with the instrument to allow for successful scanning. Parsing functionality shall be designed to support reading Driver Licenses with barcode encoding that comply with the AAMVA DL/ID Card Design Standard from 2020. WSP will provide Draeger with samples of Washington, Oregon, and Idaho licenses for testing.</p>
3	<p>Instrument functionality to be modified so that after a status code is generated in measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test), status codes generated subsequent to data-logging and prior the conditional disabling algorithm do not prevent the instrument from exposing the original status code to the conditional disabling algorithm. This is a no-charge modification.</p>
4	<p>Instrument functionality to be modified so that measurement procedure 6 (Supervisor Test) responds to input from "Gas Inlet" section in the native dialog settings screen, instead of input setting from the "Set Cylinder" function. This is a no-charge modification.</p>
5	<p>Instrument functionality to be modified to remove from the Reprint function "Database type" drop-down selection list all measurement procedure options which do not generate printouts. This is a no-charge modification.</p>
6	<p>Insert one extra vertical line feed between "Officer Signature" line and "Location Signed" line on the Evidential Test external printout formatting. This is a no-charge modification.</p>

Draeger, Inc.
 7256 S Sam Houston Pkwy West
 Suite 100
 Houston TX 77085
www.draeger.com

7	Removed – no action.																																																																						
8	Removed – no action.																																																																						
9	Removed – no action.																																																																						
10	Instrument functionality to be modified in measurement procedure 1 (Evidential Breath Test) and 2 (Training Breath Test) so instrument displays observation countdown timer when the entered observation start time is between 0 and 15 minutes ago from the current instrument time. This is a no-charge modification.																																																																						
11	Instrument functionality to be modified in the Reprint menu option. Instead of when a search list is populated and a selection is made with no discernable action from the instrument other than returning to the search list, the instrument will display some type of simplified feedback screen. The simplified feedback screen will contain information (possibly including subject last name, subject DOB, operator last name, or record number) for the operator to know that the desired record was selected from the search list. This is a no-charge modification.																																																																						
12	<p>Due to a legislative change effective July 1, 2021, modify the Breath Test Document generated by the instrument system during measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test) to modify the section that begins with the words “I certify...” and following. For example:</p> <div><p>WASHINGTON STATE PATROL EVIDENTIARY SUBJECT TEST ALCOTEST 9510 SERIAL NUMBER ARKA-0070 SOFTWARE VERSION 8322798 0.9 CONFIGURATION VERSION 8322796 2.7 DATE OF LAST QAP: 02/25/2019</p><p>Analysis Date: 04/09/2019 Observation Period Began: 23:37 Citation/Case Number: C12797641 Operator Name: [REDACTED] Subject Name: [REDACTED] Subject Date of Birth: [REDACTED] External Standard Lot: [REDACTED]</p><table><thead><tr><th>Breath Analysis</th><th>Result g/210L</th><th>Time hh:mm</th><th>Volume liters</th><th>Blowtime seconds</th></tr></thead><tbody><tr><td>Blank Test</td><td>0.000</td><td>23:05</td><td></td><td></td></tr><tr><td>Internal Standard</td><td>VERIFIED</td><td>23:05</td><td></td><td></td></tr><tr><td>Subject Sample 1</td><td></td><td></td><td>1.8</td><td>6.8</td></tr><tr><td>IR Result</td><td>0.141</td><td>23:06</td><td></td><td></td></tr><tr><td>EC Result</td><td>0.141</td><td>23:06</td><td></td><td></td></tr><tr><td>Blank Test</td><td>0.000</td><td>23:07</td><td></td><td></td></tr><tr><td>External Standard IR</td><td>0.079</td><td>23:08</td><td></td><td></td></tr><tr><td>External Standard EC</td><td>0.080</td><td>23:08</td><td></td><td></td></tr><tr><td>Blank Test</td><td>0.000</td><td>23:09</td><td></td><td></td></tr><tr><td>Subject Sample 2</td><td></td><td></td><td>2.2</td><td>8.0</td></tr><tr><td>IR Result</td><td>0.147</td><td>23:10</td><td></td><td></td></tr><tr><td>EC Result</td><td>0.147</td><td>23:10</td><td></td><td></td></tr><tr><td>Blank Test</td><td>0.000</td><td>23:11</td><td></td><td></td></tr></tbody></table><p>During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.</p><p>I certify (or declare) under penalty of perjury under the laws of the state of Washington that the statements on this document and information contained therein are true, correct, and accurate. (RCW 9A.72.015.)</p><div><p>Officer Signature _____ Date _____ Location Signed _____</p><p>Replace this section with formatting as follows below.</p></div></div>	Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds	Blank Test	0.000	23:05			Internal Standard	VERIFIED	23:05			Subject Sample 1			1.8	6.8	IR Result	0.141	23:06			EC Result	0.141	23:06			Blank Test	0.000	23:07			External Standard IR	0.079	23:08			External Standard EC	0.080	23:08			Blank Test	0.000	23:09			Subject Sample 2			2.2	8.0	IR Result	0.147	23:10			EC Result	0.147	23:10			Blank Test	0.000	23:11		
Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds																																																																			
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IR Result	0.147	23:10																																																																					
EC Result	0.147	23:10																																																																					
Blank Test	0.000	23:11																																																																					

Replace the above section with the following verbiage and format:
I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

	Officer Signature _____ Printed Name _____ Date _____ Location: City/State _____
13	Instrument functionality to be modified so that during manual data entry for Subject Gender will include a third gender option for non-binary. This will be reflected as an "X" in the display, data entry, and printing of the Subject Gender. For automatic driver license scanning, the X (if encoded for subject gender). WSP shall specify the encoding method for the non-binary option for their state. It is assumed that this will utilize the DBC element ID. But it needs to be specified if the non-binary "X" option shall correspond to the "9" definition for DBC or if another definition will be utilized.

Functionality Change Request Quotation Price

Per Functionality Change Specifications above

\$23,900.00

Functionality Change Procedure

- Only modifications stated in the specifications section above are included.
- If the Washington State Patrol desires changes to the specifications of the functionality change, request a new quotation with a new quotation number identifier.
- Purchase orders for the functionality change must reference a specific quotation number identifier, which indicates Washington State Patrol approval for Draeger, Inc. to proceed with the associated Functionality Change Specifications as the scope of work. In the event multiple quotations exist, the version specified on the purchase order prevails as the scope of work.
- Draeger, Inc. will not modify functionality outside the scope of the specifications unless approved in writing by the Washington State Patrol.
- Based on current conditions and anticipated timely receipt of order, estimated software delivery is no later than June 25, 2021.
- Draeger, Inc. continues to strive toward reasonable timeliness of delivery. Due to the COVID-19 pandemic, product, service, and workforce effects may occur. Draeger, Inc. may be subject to government orders affecting delivery schedule and, as a result, trigger the Force Majeure provisions under Section 7 of the Draeger, Inc. standard terms and conditions.

We look forward to this opportunity to serve and support you.

Sincerely,

Larkin Fourkiller, Regional Sales Manager

Draeger, Inc.
7256 S Sam Houston Pkwy West
Suite 100
Houston TX 77085
www.draeger.com

Procedure document

Version 5.12, 1.0, 2.8

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

A QAP will be performed on an instrument loaded with the new software. Verify software versions by using the internal printer and attaching the results on page one of the Software Verification Documentation.

Steps:

1. Complete an “AS FOUND” Test, if applicable
2. If applicable, poll the instrument, upload data, and confirm data is not corrupted
3. Copy all software files to a Draeger Key (do not delete any files). Your computer must be “Bit Locker Exempt.”

Name	Type	Compressed size	Password p...	Size	Ratio	Date modified
8322796.wcf	WCF File	1 KB	No	1 KB	45%	6/10/2021 12:58
8322796A	File	4 KB	No	16 KB	74%	6/16/2021 13:36
8322796NA	File	637 KB	No	2,557 KB	76%	6/10/2021 12:58
8322797_5.12	Application	716 KB	No	1,927 KB	63%	6/14/2021 13:26
8322798_1.0_0xF39C.bin.sig	SIG File	129 KB	No	480 KB	74%	6/16/2021 13:36

4. Install the software
 - a. Insert USB into the Draeger you have chosen for the validation
 - i. Menu
 1. Maintenance
 - a. Update WinCE Application 8322797 version 5.12
 - b. Run
 - ii. Menu
 1. Maintenance
 - a. Update Measurement System Firmware 8322798 version 1.0
 - b. Run
 - iii. Menu
 1. Maintenance
 - a. Update Configuration Files 8322796 version 2.8
 - b. Run
 - b. If “Load Firmware/”Wrong File” appears, Continue process
 - c. If “Invalid Digital Signature appears”
 - i. Maintenance
 1. Event Logger
 - a. Remove
 - i. Confirm Warnings
 5. Perform a complete QAP (following the procedure in the current 2020 Technical Manual up to and including section 3.3.8 QAP Printout).

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

6. Perform several breath test sequences, varying entry choices
 - a. Observation time
 - i. When the instrument is “READY” to begin the testing sequence, enter the time displayed on the Draeger clock. The instrument should begin a countdown timer of 16 minutes.
 - ii. When the instrument is “READY” to begin the testing sequence, enter a time more than 120 minutes prior to the time displayed on the Draeger clock, example enter 0800 if the actual time is 2000 hours. The instrument should not continue with the testing sequence.
 - iii. When the instrument is “READY” to begin the testing sequence, enter a time “later than” the time displayed on the Draeger clock, example enter 2000 if the actual time is 0800 hours. The instrument should not continue with the testing sequence.
 - iv. When the instrument is “READY” to begin the testing sequence, enter a time exactly 15 minutes prior to the time displayed on the Draeger clock. The instrument should begin a countdown timer of one minute.
 - v. When the instrument is “READY” to begin the testing sequence, enter a time within 15 minutes prior to the time displayed on the Draeger clock. The instrument should begin a countdown timer of one minute more than the difference between the displayed time and the time entered.
 - vi. Summary Screen – verify time displayed matches time entered
 - b. Operator Observed Subject Entire Time - Enter No and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - c. Subject Smoke, Vomit, Put Anything in Mouth - Enter No and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - d. Citation/Case Number – Using a combination of alpha and numeric characters, enter the number and press Next.
 - e. County of Arrest - Select the county by pressing the selection box and choosing the correct county and then press Next. Verify all counties are present (see page 4).
 - f. Crime Arrested For - Select the offense from the drop-down menu. Verify all choices are present.
 - g. Collision Involved - Select Yes or No and then press Next.
 - h. Subject drinking at specific drinking establishment
 - i. Select No – verify drop-down menu of other options will appear.
 - ii. Select Yes - enter the name and location of the establishment in the fields to run a search.
 - i. PBT Given
 - i. Select No
 - ii. Select Yes - enter a PBT time.
 - j. Summary Screen – verify information displayed matches information entered
 - k. Scan Operator Card
 - i. Enter No enter information manually
 - ii. Enter Yes, scan card and verify information
 - l. Summary Screen – verify information displayed matches information entered
 - m. Subject Ethnic Group - Select the subject’s ethnicity from the drop-down menu. Verify all choices are present.
 - n. Subject Driver License State
 - i. Select Washington, Oregon, Idaho – Verify option to scan the license follows
 1. Scan Washington, Oregon, and Idaho licenses
 - ii. Select other states – Verify the only option is to enter information manually
 1. Enter information manually
 - a. Verify Gender will include a third gender option for non-binary displayed as “X.”

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

- o. Summary Screen – verify information displayed matches information entered, specifically the gender option
 - p. Provide a breath test
 - i. Stop prior to sample acceptance, take a breath, then continue
 - q. Printout – verify the printout accurately reflects data entry, requested spacing and Penalty of Perjury Statement verbiage.
7. Set up the instrument for a second breath test
 - a. Allow two minutes to pass – Verify "Refusal" and "Incomplete" are displayed.
 - i. Select "Incomplete"
 - ii. Verify an "Incomplete" breath test document is produced
8. Set up the instrument for a third breath test
 - a. After all data is entered and breath test sequence has begun, press "Stop" – verify "Refusal," "Incomplete," and "Continue" are displayed.
 - i. Select "Refusal"
 - ii. Verify an "Refusal" breath test document is produced
9. Identify active cylinder. Set up to run a Supervisor Test and select the non-active cylinder. Run a supervisory test to determine the selected cylinder is accessed during the Supervisor Test. Change the active cylinder and repeat.
10. Reprint function
 - a. Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.
 - b. Verify the following are listed as database reprint options:
 - i. Evidential Subject Test
 - ii. Training Subject Test
 - iii. External Standard Change
 - iv. Supervisor Test
 - v. ABA
 - vi. Special ABA
 - vii. QAP Printout
 - c. Verify the following are not listed as database reprint options:
 - i. Enable/Disable
 - ii. QAP Set Cert
 - iii. QAP calibration
 - iv. QAP Linearity
 - v. QAP Mouth Alcohol
 - vi. QAP Interference
 - vii. QAP Breath Test
11. Verify appropriate automatic time adjustments
 - a. Set date and time to March 14, 2021, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0300 hours.
 - b. Set date and time to November 07, 2021, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0100 hours.
12. Verify polling data reflects entered data (scanned and manual entries; gender selection; etc.).

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

DROP-DOWN LISTS

COUNTY OF ARREST	CRIME ARRESTED FOR	DRINKING LOCATION	ETHNIC GROUP
Adams	DUI	Refused	White
Asotin	Physical control	Refuses to give info	Black
Benton	0.02 Minor law	Unknown	Asian
Chelan	Commercial drivers lic.	Banquet/formal party	East Indian
Clallam	Officer self test	Club-Elks,Moose,etc	Native American
Clark	Administrative Procedure	Comm non pass	Hispanic
Columbia	Other	Dining establishment	Pacific Islander
Cowlitz	Assault	Event-sprtnng,cncrt,etc.	Other
Douglas	Domestic Violence	Other	
Ferry	Boating under the Influence	Pass/comm. conv	
Franklin	Homicide by Watercraft	Private conveyance	
Garfield	Assault by Watercraft	Private home	
Grant		Public bar/tavern	
Grays Harbor		Drinking in Canada	
Island		Drinking in Idaho	
Jefferson		Drinking in Oregon	
King		Vessel,prvty owned	
Kitsap		Vessel,commercial	
Kittitas			
Klickitat			
Lewis			
Lincoln			
Mason			
Okanogan			
Pacific			
Pend Oreille			
Pierce			
San Juan			
Skagit			
Skamania			
Snohomish			
Spokane			
Stevens			
Thurston			
Wahkiakum			
Walla Walla			
Whatcom			
Whitman			
Yakima			

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Software Verification Documentation

Technician:

Instrument Serial Number:

Date Testing Performed: Click or tap to enter a date.

Affix the
initialed &
dated
active
software
versions
printout
here.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Observation times

Draeger Displayed Time	Entered Time	Result
Comments		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other Licenses & manual entry	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test	<input type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

Technician worksheets

Version 5.12, 1.0, 2.8

ARAH-0094
Trooper Justin Rumsey
Version 5.12, 1.0, 2.8

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Software Verification Documentation

Technician: Justin Rumsey

Instrument Serial Number: ARAH-0094

Date Testing Performed: 7/28/2021

Date: 27.07.2021
Time: 13:04

Serial: ARAH-0094

M16 Ver:1.0/8322798
M16 Checksum:0xF39C
BTL Ver:1.5/8323536

WinCE Ver:5.12/8322797
WinCE Checksum:0xEFEC
WinCE ImageVer:1.8

Cfg Ver:2.8/8322796
AP Ver:2.8/8322796A
NAP Ver:2.8/8322796NA
AP/NAP CRC:0x3236/0x745C

Drink. location: 0x6AAA
Lifecounter: 43029

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_052
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

07-27-21
AR

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Observation times

Draeger Displayed Time	Entered Time	Result
1118	0917	Allowed to proceed with the test
1119	0000	Allowed to proceed with the test
1119	2359	Stopped the test as intended
1138	2000	Stopped the test as intended
1142	1127	Worked as intended
1144	1140	Worked as intended
Comments: The feature stopping the tests 120 min before the time shown on the instrument does not work.		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	X Yes <input type="checkbox"/> No	
Summary Screen	X Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	X Yes <input type="checkbox"/> No	
Citation/Case Number	X Yes <input type="checkbox"/> No	
County of Arrest	X Yes <input type="checkbox"/> No	
Collision Involved	X Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	X Yes <input type="checkbox"/> No	
PBT Given	X Yes <input type="checkbox"/> No	
Summary Screen	X Yes <input type="checkbox"/> No	
Scan Operator Card	X Yes <input type="checkbox"/> No	
Summary Screen	X Yes <input type="checkbox"/> No	
Subject Ethnic Group	X Yes <input type="checkbox"/> No	
Subject Driver License State	X Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	X Yes <input type="checkbox"/> No	
Other Licenses & manual entry	X Yes <input type="checkbox"/> No	
Gender "X"	X Yes <input type="checkbox"/> No	
Summary	X Yes <input type="checkbox"/> No	
Breath Test	X Yes <input type="checkbox"/> No	
Printed Document	X Yes <input type="checkbox"/> No	
Comments: Crime arrested for worked as intended with the proper list of crimes. My first breath test ticket printout failed as well as the reprint however after restarting the instrument all printing features worked properly.		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	X Yes <input type="checkbox"/> No
Meeting sampling parameters	X Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	X Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	X Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test	X Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test	X Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	X Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	X Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input type="checkbox"/> Yes X No
Comments: QAP minearity, QAP mouth alcohol, QAP interference, and QAP breath test all appeared as options.	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	X Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	X Yes <input type="checkbox"/> No
Time change on November 7, 2021	X Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0094
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.8
 TECHNICIAN: JUSTIN RUMSEY
 TIME/DATE BEGAN: 08:33 07/28/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202007A REF VALUE: 0.0806 SIM#: DR4522 THERM#: DR4522

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4487</u>	<u>DR4522</u>	<u>DR4983</u>	<u>DR4489</u>
Sim Thermometer #	<u>DR4487</u>	<u>DR4522</u>	<u>DR4983</u>	<u>DR4489</u>
QAP Batch #	<u>202003A</u>	<u>202103C</u>	<u>202103B</u>	<u>202010C</u>
Reference Value	<u>0.0405</u>	<u>0.0802</u>	<u>0.1503</u>	<u>0.2022</u>
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
	IR	EC	IR	EC
1	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.149</u>	<u>0.146</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.149</u>	<u>0.147</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.149</u>	<u>0.147</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.149</u>	<u>0.146</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
	IR	EC	IR	EC
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0796</u>	<u>0.0788</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0004</u>
Bias %	<u>-3.70</u>	<u>-3.70</u>	<u>-0.75</u>	<u>-1.75</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.63</u>	<u>0.51</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1308463 EXP DATE: 04/06/2023

INTERFERENCE TEST: YES BATCH#: 202103C SIM#: DR4522
 ACETONE LOT#: MS20190909 THERM#: DR4522

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SU

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

JUSTIN RUMSEY
Technician Name

Signature

1919 07-28-21
Time/Date Procedure Completed

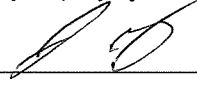
**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/28/2021

Analysis Date: **07/28/2021**
Observation Period Began: **12:30**
Citation/Case Number: **1A2B3C**
Operator Name: **RUMSEY/ JUSTIN/ P**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:52		
Internal Standard	VERIFIED	12:52		
Subject Sample 1			2.2	8.8
IR Result	0.000	12:53		
EC Result	0.000	12:53		
Blank Test	0.000	12:54		
External Standard IR	0.080	12:55		
External Standard EC	0.077	12:55		
Blank Test	0.000	12:57		
Subject Sample 2			2.2	9.4
IR Result	0.000	12:57		
EC Result	0.000	12:57		
Blank Test	0.000	12:58		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 07-28-21 Location: City/State INTERLAP, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/28/2021

Analysis Date: **07/28/2021**
Observation Period Began: **13:00**
Citation/Case Number: **1A2B3C**
Operator Name: **RUMSEY/ JUSTIN/ P**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	13:38		
Internal Standard	VERIFIED	13:39		
Subject Sample 1			-----	-----
IR Result	-----	13:41		
EC Result	-----	13:41		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 07-28-21 Location: City/State WINTER GARDEN, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/28/2021

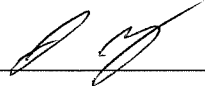
Analysis Date: **07/28/2021**
Observation Period Began: **13:00**
Citation/Case Number: **1A2B3C**
Operator Name: **RUMSEY/ JUSTIN/ P**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	13:42		
Internal Standard	VERIFIED	13:43		
Subject Sample 1			-----	-----
IR Result	-----	13:43		
EC Result	-----	13:43		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 07-28-21 Location: City/State Wash CAP, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/28/2021

Analysis Date: **07/28/2021**
Observation Period Began: **13:40**
Citation/Case Number: **123ABC**
Operator Name: **RUMSEY/ JUSTIN/ P**
Subject Name: **SAMPLE/ FEMALE/ NONE**
Subject Date of Birth: **01/01/1980**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:00		
Internal Standard	VERIFIED	14:01		
Subject Sample 1			-----	-----
IR Result	-----	14:01		
EC Result	-----	14:01		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Justin Rumsey

Date 07-28-21 Location: City/State UMMA GAP, WA

Washington State Patrol
Supervisor Test

Test Date: 07/28/2021 13:48 Sequential Test #: 821

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARAH-0094

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	13:48
Blank Test	0.000	13:48
External Standard IR	0.077	13:48
External Standard EC	0.075	13:48
Blank Test	0.000	13:49
Diagnostic	OK	13:50

Operator: Justin Ramsey

Signature: [Signature] Sig. Date: 07-28-21

**Washington State Patrol
Supervisor Test**

Test Date: 07/28/2021 13:45 Sequential Test #: 820


Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARAH-0094

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	13:45
Blank Test	0.000	13:45
External Standard IR	0.080	13:45
External Standard EC	0.077	13:45
Blank Test	0.000	13:46
Diagnostic	OK	13:47

Operator: Justin Ramsey

Signature:  Sig. Date: 07-28-21

**Washington State Patrol
External Standard Change**

Test Date: 07/28/2021 Sequential Test #: 816
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARAH-0094</u>	<u>07/28/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1428765</u>	<u>0.080</u>	<u>12/31/2023</u>	<u>CAL GAS INLET 1</u>

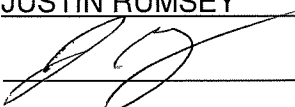
External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	11:09
External Standard IR	0.079	11:10
External Standard EC	0.078	11:10
Blank Test	0.000	11:11
External Standard IR	0.079	11:11
External Standard EC	0.079	11:11
Blank Test	0.000	11:13
External Standard IR	0.080	11:13
External Standard EC	0.079	11:13
Blank Test	0.000	11:13

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JUSTIN RUMSEY

Signature:  Sig. Date: 07/28/2021

AREH-0024
Trooper John Axtman
Version 5.12, 1.0, 2.8

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Software Verification Documentation

Technician: Axtman, John G

Instrument Serial Number: AREH-0024

Date Testing Performed: 7/29/2021

Draeger Alcotest 9510
Version info

Date: 29.07.2021
Time: 12:17

Serial: AREH-0024

M16 Ver:1.0/8322798
M16 Checksum:0xF39C
BTL Ver:1.5/8323536

WinCE Ver:5.12/8322797
WinCE Checksum:0xEFEC
WinCE ImageVer:1.6

Cfg Ver:2.8/8322796
AP Ver:2.8/8322796A
NAP Ver:2.8/8322796NA
AP/NAP CRC:0x3236/0x745C

Drink. location: 0x6AAA
Lifecounter: 44939

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_052
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

7/29/21

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Observation times

Draeger Displayed Time	Entered Time	Result
13:14	13:14	COUNTDOWN FROM 16:00
13:16	15:17	ERASE OBSERVATION START TIME CONTAINS AN INVALID TIME
13:17 / 13:20	11:10 / 10:19	ALLOWS ME TO START
13:21	13:06	COUNTDOWN 1:00
13:22	13:17	COUNTDOWN 11:00
Comments		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ALLOWS YES TO CONTINUE WITH A PARTIAL NAME.
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Other Licenses & manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Comments ↑ ITEMS THAT ARE NOT SUPPOSED TO BE LISTED, ARE LISTED IN THE MENU.	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: AREH-0024
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.8
 TECHNICIAN: AXTMAN/JOHN
 TIME/DATE BEGAN: 12:58 07/29/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 201908B REF VALUE: 0.0803 SIM#: DR2513 THERM#: DR2513

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
Sim Thermometer #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
QAP Batch #	<u>202003A</u>		<u>202103C</u>		<u>202001A</u>		<u>202010C</u>	
Reference Value	<u>0.0405</u>		<u>0.0802</u>		<u>0.1513</u>		<u>0.2022</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.202</u>	<u>0.196</u>
2	<u>0.039</u>	<u>0.040</u>	<u>0.079</u>	<u>0.080</u>	<u>0.148</u>	<u>0.147</u>	<u>0.202</u>	<u>0.198</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.080</u>	<u>0.148</u>	<u>0.147</u>	<u>0.200</u>	<u>0.197</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.148</u>	<u>0.146</u>	<u>0.200</u>	<u>0.197</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.148</u>	<u>0.147</u>	<u>0.199</u>	<u>0.196</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0392</u>	<u>0.0794</u>	<u>0.0794</u>	<u>0.1482</u>	<u>0.1466</u>	<u>0.2006</u>	<u>0.1968</u>
SD	<u>0.0000</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0005</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0013</u>	<u>0.0008</u>
Bias %	<u>-3.70</u>	<u>-3.21</u>	<u>-1.00</u>	<u>-1.00</u>	<u>-2.05</u>	<u>-3.11</u>	<u>-0.79</u>	<u>-2.67</u>
CV %	<u>0.00</u>	<u>1.02</u>	<u>0.63</u>	<u>0.63</u>	<u>0.27</u>	<u>0.34</u>	<u>0.65</u>	<u>0.41</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1391343 EXP DATE: 10/12/2023

INTERFERENCE TEST: YES BATCH#: 201908B SIM#: DR2513
 ACETONE LOT#: JM20190410 THERM#: DR2513

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060J

COMMENTS:

AS FOUND ESS RESULT: IR: _____ EC: _____

AXTMAN/JOHN
Technician Name

Signature

2:14 PM 7/29/21
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/29/2021

Analysis Date: **07/30/2021**
Observation Period Began: **10:00**
Citation/Case Number: **123ABC**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **ROBINSON/ TEST/ RECORD**
Subject Date of Birth: **07/21/2000**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:36		
Internal Standard	VERIFIED	10:36		
Subject Sample 1			2.1	7.0
IR Result	0.000	10:37		
EC Result	0.000	10:37		
Blank Test	0.000	10:38		
External Standard IR	0.079	10:39		
External Standard EC	0.076	10:39		
Blank Test	0.000	10:41		
Subject Sample 2			2.3	6.9
IR Result	0.000	10:41		
EC Result	0.000	10:41		
Blank Test	0.000	10:42		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JOHN AXTMAN

Date 7/30/21 Location: City/State Spokane, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/29/2021

Analysis Date: **07/30/2021**
Observation Period Began: **10:15**
Citation/Case Number: **123ABC**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **SAMPLE/ BRENDA/ L**
Subject Date of Birth: **09/08/1970**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:51		
Internal Standard	VERIFIED	10:51		
Subject Sample 1			-----	-----
IR Result	-----	10:54		
EC Result	-----	10:54		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JOHN AXTMAN

Date 7/30/21 Location: City/State SPOLCANO, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 07/29/2021

Analysis Date: **07/30/2021**
Observation Period Began: **10:30**
Citation/Case Number: **123WSP**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **SAMPLE/ MALE/ NONE**
Subject Date of Birth: **01/01/1980**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:07		
Internal Standard	---	11:07		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name JOHN AXTMAN

Date 7/30/21 Location: City/State SPOKANE, WA

**Washington State Patrol
External Standard Change**

Test Date: 07/30/2021 Sequential Test #: 1029
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>AREH-0024</u>	<u>07/29/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1391343</u>	<u>0.080</u>	<u>10/12/2023</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	11:17
External Standard IR	0.078	11:17
External Standard EC	0.076	11:17
Blank Test	0.000	11:18
External Standard IR	0.078	11:18
External Standard EC	0.077	11:18
Blank Test	0.000	11:20
External Standard IR	0.078	11:20
External Standard EC	0.077	11:20
Blank Test	0.000	11:21

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JOHN AXTMAN

Signature:  Sig. Date: 07/30/2021

Washington State Patrol
Supervisor Test

Test Date: 07/30/2021 11:24 Sequential Test #: 1030

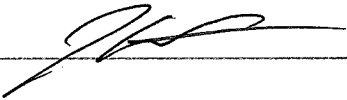
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AREH-0024

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	11:24
Blank Test	0.000	11:24
External Standard IR	0.079	11:24
External Standard EC	0.075	11:24
Blank Test	0.000	11:25
Diagnostic	OK	11:26

Operator: JOHN AXTMAN

Signature: 

Sig. Date: 7/30/21

TEST INLET 1
INLET 2 ACTIVE

Washington State Patrol
Supervisor Test

Test Date: 07/30/2021 11:28 Sequential Test #: 1031

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AREH-0024

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	11:28
Blank Test	0.000	11:28
External Standard IR	0.074	11:28
External Standard EC	0.071	11:28
Blank Test	0.000	11:29
Diagnostic	OK	11:29

Operator: JOHN AXTMAN
Signature: [Signature] Sig. Date: 07/30/21

TEST INLOT 2
INLOT 1 ACTIVE

ARJN-0047
Forensic Scientist Ruth Cramer
Version 5.12, 1.0, 2.8

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Software Verification Documentation

Technician: *Ruth Cramer*

Instrument Serial Number: *ARJN-0047*

Date Testing Performed: Click or tap to enter a date. *8-9-2021 8-10-2021*

QAP 8-2-2021

Draeger Alcotest 9510
Version info

Date: 09.08.2021
Time: 09:58

Serial: ARJN-0047

M16 Ver: 1.0/8322798
M16 Checksum: 0xF39C
BTL Ver: 1.5/8323536

WinCE Ver: 5.12/8322797
WinCE Checksum: 0xEFEC
WinCE ImageVer: 1.8

Cfg Ver: 2.8/8322796
AP Ver: 2.8/8322796A
NAP Ver: 2.8/8322796NA
AP/NAP CRC: 0x3236/0x745C

Drink. location: 0x6AAA
Lifecounter: 32546

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_052
ExternalPrtCfg_106
TextsExternalPrt_066
AccessRights_029

Subversion:
WA

Cramer
8-9-2021

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Observation times

Draeger Displayed Time	Entered Time	Result
10:11	10:11	Timer started at 16:00
10:12	07:12	Test continued
10:18	10:19	"ObservationStartTime" contains an invalid time
10:19	10:04	Timer started at 1:00
13:48	13:45	Timer started at 13:00

Comments

6avi → Times matched entry/summary screen when no timer was used.

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Other Licenses & manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Asked to scan NY, ND, TX
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Comments

Idaho license → Female entered as first name, no first name on card

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

QAP Linearity, Mouth Alcohol, Interference + Breath Test are listed as reprint options

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

Signature/Date/Location on breath Test document seems cramped

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARJN-0047
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.8
 TECHNICIAN: RUTH CRAMER
 TIME/DATE BEGAN: 13:26 08/02/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202103C REF VALUE: 0.0802 SIM#: DR4759 THERM#: DR4759

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4469</u>	<u>DR4470</u>	<u>DR4471</u>	<u>DR4479</u>
Sim Thermometer #	<u>DR4469</u>	<u>DR4470</u>	<u>DR4471</u>	<u>DR4479</u>
QAP Batch #	<u>202003A</u>	<u>202007A</u>	<u>202010F</u>	<u>202010C</u>
Reference Value	<u>0.0405</u>	<u>0.0806</u>	<u>0.1514</u>	<u>0.2022</u>
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>
1	<u>0.038</u> <u>0.038</u>	<u>0.079</u> <u>0.078</u>	<u>0.151</u> <u>0.148</u>	<u>0.202</u> <u>0.194</u>
2	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.079</u>	<u>0.152</u> <u>0.148</u>	<u>0.201</u> <u>0.195</u>
3	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.079</u>	<u>0.151</u> <u>0.149</u>	<u>0.201</u> <u>0.195</u>
4	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.078</u>	<u>0.151</u> <u>0.149</u>	<u>0.200</u> <u>0.194</u>
5	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.079</u>	<u>0.150</u> <u>0.148</u>	<u>0.201</u> <u>0.195</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
Mean	<u>0.0388</u> <u>0.0388</u>	<u>0.0790</u> <u>0.0786</u>	<u>0.1510</u> <u>0.1484</u>	<u>0.2010</u> <u>0.1946</u>
SD	<u>0.0004</u> <u>0.0004</u>	<u>0.0000</u> <u>0.0005</u>	<u>0.0007</u> <u>0.0005</u>	<u>0.0007</u> <u>0.0005</u>
Bias %	<u>-4.20</u> <u>-4.20</u>	<u>-1.99</u> <u>-2.48</u>	<u>-0.26</u> <u>-1.98</u>	<u>-0.59</u> <u>-3.76</u>
CV %	<u>1.03</u> <u>1.03</u>	<u>0.00</u> <u>0.64</u>	<u>0.46</u> <u>0.34</u>	<u>0.35</u> <u>0.26</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1171207 EXP DATE: 07/10/2022
 INTERFERENCE TEST: YES BATCH#: 202103C SIM#: DR3069
 ACETONE LOT#: RC20190625 THERM#: DR3069
 INVALID SAMPLE: YES
 REFERENCE BAROMETER S/N: 410004SY

COMMENTS:

AS FOUND ESS RESULT:

IR:

N/A

EC:

N/A

RUTH CRAMER
 Technician Name

Signature

Time/Date Procedure Completed

1445 8-2-2021

Draeger Alcotest 9510
Version info

Date: 02.08.2021
Time: 13:18

Serial: ARJN-0047

M16 Ver:1.0/8322798
M16 Checksum:0xF39C
BTL Ver:1.5/8323536

WinCE Ver:5.12/8322797
WinCE Checksum:0xEFEC
WinCE ImageVer:1.8

Cfg Ver:2.8/8322796
AP Ver:2.8/8322796A
NAP Ver:2.8/8322796NA
AP/NAP CRC:0x3236/0x745C

Drink. location: 0x6AAA
Lifecounter: 32382

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_052
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

McM...
8-2-2021

#6

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **08/09/2021**
Observation Period Began: **00:00**
Citation/Case Number: **TEST**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **MARTINO/ JULIANE/ NONE**
Subject Date of Birth: **05/14/1979**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	15:08		
Internal Standard	VERIFIED	15:09		
Subject Sample 1			1.8	6.4
IR Result	0.000	15:10		
EC Result	0.000	15:10		
Blank Test	0.000	15:11		
External Standard IR	0.079	15:12		
External Standard EC	0.078	15:12		
Blank Test	0.000	15:13		
Subject Sample 2			1.8	5.9
IR Result	0.000	15:13		
EC Result	0.000	15:13		
Blank Test	0.000	15:14		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

#6a ii

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **08/09/2021**
Observation Period Began: **07:12**
Citation/Case Number: **TEST**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **TEST/ TEST/ TEST**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	10:14		
Internal Standard	---	--:--		
Subject Sample 1			-----	-----
IR Result	----	--:--		
EC Result	----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	----	--:--		
EC Result	----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

#7

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **08/10/2021**
Observation Period Began: **00:00**
Citation/Case Number: **TEST**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **TEST/ TEST/ TEST**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	06:54		
Internal Standard	VERIFIED	06:55		
Subject Sample 1			-----	-----
IR Result	-----	06:57		
EC Result	-----	06:57		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

#8

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **08/10/2021**
Observation Period Began: **00:00**
Citation/Case Number: **TEST**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **TEST/ TEST/ TEST**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	06:58		
Internal Standard	---	--:--		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

#9

Washington State Patrol
Supervisor Test

Test Date: 08/10/2021 07:01 Sequential Test #: 1111

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARJN-0047

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	07:01
Test failed, Status	3	
Diagnostic	OK	07:02

Operator: _____

Signature: _____ Sig. Date: _____

Cylinder #2 active, set to check cylinder #1
Test worked correctly - there was
no cylinder #1, so test "failed."

#9

Washington State Patrol
Supervisor TestTest Date: 08/10/2021 07:05 Sequential Test #: 1112

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARJN-0047

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	07:05
Blank Test	0.000	07:05
External Standard IR	0.082	07:06
External Standard EC	0.082	07:06
Blank Test	0.000	07:06
Diagnostic	OK	07:07

Operator: _____

Signature: _____ Sig. Date: _____

#2 active, tested #1

#9

Washington State Patrol
Supervisor Test

Test Date: 08/10/2021 07:08

Sequential Test #: 1113

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARJN-0047

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	07:08
Blank Test	0.000	07:08
External Standard IR	0.079	07:09
External Standard EC	0.078	07:09
Blank Test	0.000	07:09
Diagnostic	OK	07:10

Operator: _____

Signature: _____

Sig. Date: _____

#1 active, tested #2

#10

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **08/10/2021**
Observation Period Began: **00:00**
Citation/Case Number: **TEST**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **TEST/ TEST/ TEST**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	06:54		
Internal Standard	VERIFIED	06:55		
Subject Sample 1			-----	-----
IR Result	----	06:57		
EC Result	----	06:57		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	----	--:--		
EC Result	----	--:--		
Blank Test	-----	--:--		

Test Result: **TEST INCOMPLETE**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **09/15/2021**
Observation Period Began: **00:00**
Citation/Case Number: **TEST**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **SAMPLE/ FEMALE/ NONE**
Subject Date of Birth: **01/01/1980**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:55		
Internal Standard	VERIFIED	14:56		
Subject Sample 1			1.9	6.5
IR Result	0.000	14:57		
EC Result	0.000	14:57		
Blank Test	0.000	14:58		
External Standard IR	0.079	14:58		
External Standard EC	0.080	14:58		
Blank Test	0.000	15:00		
Subject Sample 2			1.9	6.0
IR Result	0.000	15:01		
EC Result	0.000	15:01		
Blank Test	0.000	15:01		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Ruth Cramer

Printed Name Ruth Cramer

Date 9-15-21 Location: City/State Tumwater, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 08/09/2021

Analysis Date: **09/15/2021**
Observation Period Began: **00:00**
Citation/Case Number: **TEST2**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **WASHINGTON/ EDL/ WSPTESTREC**
Subject Date of Birth: **08/08/1988**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	15:04		
Internal Standard	VERIFIED	15:04		
Subject Sample 1			-----	-----
IR Result	-----	15:05		
EC Result	-----	15:05		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Ruth Cramer

Printed Name Ruth Cramer

Date 9-15-21 Location: City/State Thurston City
Tumwater, WA

ARKA-0043
Trooper Mike Qunell
Version 5.12, 1.0, 2.8

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Software Verification Documentation

Technician: Michael Qunell

Instrument Serial Number: ARKA-0043

Date Testing Performed: 7/28/2021

Handwritten signature and date: 7/28/21

Draeger Alcotest 9510
Version info

Date: 28.07.2021
Time: 06:09

Serial: ARKA-0043

M16 Ver: 1.0/8322798
M16 Checksum: 0xF39C
BTL Ver: 1.5/8323536

WinCE Ver: 5.12/8322797
WinCE Checksum: 0xEFEC
WinCE ImageVer: 1.8

Cfg Ver: 2.8/8322796
AP Ver: 2.8/8322796A
NAP Ver: 2.8/8322796NA
AP/NAP CRC: 0x3236/0x745C

Drink. location: 0x6AAA
Lifecounter: 7039

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_052
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Observation times

Draeger Displayed Time	Entered Time	Result
09:10	09:10	16:00 TIMER
09:12	07:00	Test continued
09:15	11:00	"INVALID TIME" message
09:17	09:02	1:00 TIMER
09:19	09:10	7:00 TIMER
09:20	09:00	DISPLAYED TIME 09:00 ^{ON} SUMMARY
Comments		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Other Licenses & manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.12
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.8

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Comments <i>QAP linearity, mouth alc, interference, + breath test were present</i>	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

#1

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0043
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 05/20/2021

Analysis Date: **07/28/2021**
Observation Period Began: **09:00**
Citation/Case Number: **TEST**
Operator Name: **TEST/ TEST/ -**
Subject Name: **SAMPLE/ MALE/ NONE**
Subject Date of Birth: **01/01/1980**
External Standard Lot: **1094498**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:52		
Internal Standard	VERIFIED	09:53		
Subject Sample 1			1.5	6.6
IR Result	0.000	09:54		
EC Result	0.000	09:54		
Blank Test	0.000	09:55		
Internal Standard IR	0.080	09:55		
External Standard EC	0.078	09:55		
Blank Test	0.000	09:57		
Subject Sample 2			1.6	5.6
IR Result	0.000	09:57		
EC Result	0.000	09:57		
Blank Test	0.000	09:58		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

#2

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0043
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 05/20/2021

Analysis Date: **07/28/2021**
Observation Period Began: **09:30**
Citation/Case Number: **TEST**
Operator Name: **TEST/ TEST/ -**
Subject Name: **WASHINGTON/ ID/ WSPTESTREC**
Subject Date of Birth: **06/06/1976**
External Standard Lot: **1094498**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:03		
Internal Standard	VERIFIED	10:04		
Subject Sample 1			-----	-----
IR Result	-----	10:06		
EC Result	-----	10:06		
Blank Test	-----	--:--		
Internal Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

e _____ Location: City/State _____

#3

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0043
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.8
DATE OF LAST QAP: 05/20/2021

Analysis Date: **07/28/2021**
Observation Period Began: **09:30**
Citation/Case Number: **TEST**
Operator Name: **TEST/ TEST/ -**
Subject Name: **WASHINGTON/ ID/ WSPTESTREC**
Subject Date of Birth: **06/06/1976**
External Standard Lot: **1094498**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:08		
Internal Standard	VERIFIED	10:09		
Subject Sample 1			-----	-----
IR Result	-----	10:09		
EC Result	-----	10:09		
Blank Test	-----	--:--		
Internal Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Location: City/State _____

Software version 5.13, 1.0, 2.9

Software version 5.13, 1.0, 2.9

Requested modifications:

1. Restrict acceptable observation times to a two-hour window prior to the current time displayed on the instrument.
2. Remove reprint selections from the drop-down list which do not generate printed documents.

The revised software package delivered on September 27, 2021 contained the following components:

- WinCE: 8322797 version 5.13
- M16: 8322798 version 1.0
- Config: 8322796 2.9

Four technicians were provided with instructions regarding the installation and testing of the software. Worksheets were provided to record the results.

BAC Technician	Draeger Instrument
Trooper Justin Rumsey	ARAH-0094
Trooper John Axtman	AREH-0023
Forensic Scientist Ruth Cramer	ARJN-0047
Trooper Mike Qunell	ARKC-0022

Supplemental validation was performed by Trooper Qunell, Trooper Rumsey, and Trooper Axtman to further validate how the instrument handles specific data entry for the observation time. Supplemental validation was also performed by Trooper Qunell and Trooper Rumsey specifically to validate instrument functioning when a disabling code is followed by a non-disabling code.

During additional testing of the disabling algorithm, it was noted that the instrument did not put itself out of service when a CAL GAS SUPPLY Status Code 3 was encountered. The software package was therefore rejected. Draeger was notified and revised software was requested.

Dräger Safety AG & Co. KGaA, Revalstraße 1, 23560 Lübeck

To Whom It May Concern

Unser Zeichen

TAS-da

Tel.

+49 451 882-3527

Fax

E-Mail

stephan.david@draeger.com

Feb.15th, 2022

Dräger Alcotest 9510 Washington State

STATEMENT

Due to customer requirements we have implemented the following changes into the Alcotest 9510 used at Washington State Patrol:

1. The device accepts both styles of Washington State driver licenses (pre -2017 and “new style” October 2017)
2. Modifications of status code handling
3. Modification of measurement procedure 6 (‘Supervisor Test)
4. Remove of “Database type” from drop-down selection list
5. Change of internal printout: add a vertical line feed below “Officer signature”
6. Correction of Observation Start Time handling
7. Update of the Reprint menu option
8. Remove reference to 9A.72.085 from printout measurement procedure 1 or 2
9. Add option for third gender

For further detail: Please notice the attachment.

The new version of the device is released on Sept. 17th, 2021

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Deutschland
Tel. +49 451 882-0
Fax +49 451 882-2080
info@draeger.com
www.draeger.com
UID-Nr. DE812128834
WEEE-Reg.-Nr. DE13636930

Bankverbindungen:
Commerzbank AG, Lübeck
IBAN DE29 2304 0022 0014 6803 00
BIC COBADEFF230
Deutsche Bank AG, Lübeck
IBAN DE75 2307 0710 0030 2109 00
BIC DEUTDEHH222

Sitz der Gesellschaft: Lübeck
Handelsregister:
Amtsgericht Lübeck HRB 4097 HL
Komplementär:
Dräger Safety Verwaltungs AG
Sitz der Gesellschaft: Lübeck
Handelsregister:
Amtsgericht Lübeck HRB 5036 HL

Vorsitzender des Aufsichtsrats der
Dräger Safety AG & Co. KGaA und
Dräger Safety Verwaltungs AG:
Professor Dr. Nikolaus Schweickart

Vorstand:
Stefan Dräger (Vorsitzender)
Thomas Engler
Rainer Klug
Gert-Hartwig Lescow
Dr. Reiner Piske
Anton Schrofner

Seite 2 / 2

	Current version	New version Part-#; /Version
WinCE application:	8322797 / V5.11	8322797 / V5.13
Measurement System M16 Firmware	8322798 / V0.9	8322798 / V 1.0
Configuration	8322796 / V2.7	8322796 / V 2.9

The changes in this firmware, configuration and WinCE Application does not affect metrological functions, algorithms or other settings of the updated device. All device specific data will remain in the device.

Yours sincerely



Stephan David

Approval Engineer Alcotest & Drugtest
Research & Development

Attachment:

Washington State Patrol Alcotest 9510 Functionality List

Washington State Patrol Alcotest 9510 Functionality Modification List

Delivery for Evaluation: September 17, 2021

WinCE application:

Part Number 8322797, Version 5.13

Measurement System (M16) Firmware:

Part Number 8322798, Version 1.0

Configuration:

Part Number 8322796, Version 2.9

Item	Modification	Status
1.	Support the successful scanning of both pre-2017 and "new-style" October 2017 Washington State driver licenses with corresponding data encoding. The instrument will seamlessly support either style. Parsing functionality shall be designed to support reading Driver Licenses with barcode encoding that comply with the AAMVA DL/ID Card Design Standard from 2020.	Implemented in delivered Software Version
2.	Modification of status code handling. After a status code is generated in measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test), status codes generated subsequent to data-logging and prior the conditional disabling algorithm do not prevent the instrument from exposing the original status code to the conditional disabling algorithm.	Implemented in delivered Software Version
3.	Modification to measurement procedure 6 (Supervisor Test). The used Input corresponds now to the "Gas Inlet" section in the native dialog settings screen.	Implemented in delivered Software Version
4.	Removal of all "Database type" from drop-down selection list in Reprint function which do not generate printouts.	Implemented in delivered Software Version
5.	Inserted one extra vertical line feed between "Officer Signature" line and "Location Signed" line on the measurement procedure 1 (Evidential Breath Test) external printout.	Implemented in delivered Software Version
6.	Corrected Observation Start Time handling. For measurement procedure 1 (Evidential Breath Test) and 2 (Training Breath Test) the instrument displays observation countdown timer when the entered observation start time is between 0 and 15 minutes ago from the current instrument time.	Implemented in delivered Software Version
7.	Update of the Reprint menu option. Instead of when a search list is populated and a selection is made with no discernable action from the instrument other than returning to the search list, the instrument will display a feedback screen. The feedback screen contains information including subject last name, subject DOB, operator last name and record number).	Implemented in delivered Software Version
8.	Remove the reference to 9A.72.085 from the printout in measurement procedure 1 (Evidential Breath Test) or 2 (Training Breath Test).	Implemented in delivered Software Version
9.	Added third Gender Option during manual data entry for Subject Gender. This will be reflected as an "X" in the display, data entry, and printing of the Subject Gender. For automatic driver license scanning, the "X" is used as well.	Implemented in delivered Software Version

Procedure document

Version 5.13, 1.0, 2.9

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

A QAP will be performed on an instrument loaded with the new software. Verify software versions by using the internal printer and attaching the results on page one of the Software Verification Documentation.

Steps:

1. Complete an “AS FOUND” Test, if applicable
2. If applicable, poll the instrument, upload data, and confirm data is not corrupted
3. Copy all software files to a Draeger Key (do not delete any files). **Your computer must be “Bit Locker Exempt.”**

Name	Type	Compressed size	Password p...	Size	Ratio	Date modified
8322796.wcf	WCF File	1 KB	No	1 KB	45%	9/17/2021 11:33
8322796A	File	4 KB	No	16 KB	74%	9/20/2021 16:22
8322796NA	File	637 KB	No	2,557 KB	76%	9/17/2021 11:33
8322797_5.13.exe	Application	716 KB	No	1,927 KB	63%	9/20/2021 11:05
8322798_1.0_0xF39C.bin.sig	SIG File	129 KB	No	480 KB	74%	6/16/2021 13:36

4. Install the software
 - a. Insert USB into the Draeger you have chosen for the validation
 - i. Menu
 1. Maintenance
 - a. Update WinCE Application 8322797 version 5.13
 - b. Run
 - ii. Menu
 1. Maintenance
 - a. Update Measurement System Firmware 8322798 version 1.0
 - b. Run
 - iii. Menu
 1. Maintenance
 - a. Update Configuration Files 8322796 version 2.9
 - b. Run
 - b. If “Load Firmware/”Wrong File” appears, Continue process
 - c. If “Invalid Digital Signature appears”
 - i. Maintenance
 1. Event Logger
 - a. Remove
 - i. Confirm Warnings
 5. Perform a complete QAP (following the procedure in the current 2020 Technical Manual up to and including section 3.3.8 QAP Printout).

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

6. Perform several breath test sequences, varying entry choices
 - a. Observation time
 - i. When the instrument is “READY” to begin the testing sequence, enter the time displayed on the Draeger clock. The instrument should begin a countdown timer of 16 minutes.
 - ii. When the instrument is “READY” to begin the testing sequence, enter a time more than 120 minutes prior to the time displayed on the Draeger clock, example enter 0800 if the actual time is 2000 hours. The instrument should not continue with the testing sequence.
 - iii. When the instrument is “READY” to begin the testing sequence, enter a time “later than” the time displayed on the Draeger clock, example enter 2000 if the actual time is 0800 hours. The instrument should not continue with the testing sequence.
 - iv. When the instrument is “READY” to begin the testing sequence, enter a time exactly 15 minutes prior to the time displayed on the Draeger clock. The instrument should begin a countdown timer of one minute.
 - v. When the instrument is “READY” to begin the testing sequence, enter a time within 15 minutes prior to the time displayed on the Draeger clock. The instrument should begin a countdown timer of one minute more than the difference between the displayed time and the time entered.
 - vi. Summary Screen – verify time displayed matches time entered
 - b. Operator Observed Subject Entire Time - Enter No and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - c. Subject Smoke, Vomit, Put Anything in Mouth - Enter Yes and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - d. Citation/Case Number – Using a combination of alpha and numeric characters, enter the number and press Next.
 - e. County of Arrest - Select the county by pressing the selection box and choosing the correct county and then press Next. Verify all counties are present (see page 4).
 - f. Crime Arrested For - Select the offense from the drop-down menu. Verify all choices are present.
 - g. Collision Involved - Select Yes or No and then press Next.
 - h. Subject drinking at specific drinking establishment
 - i. Select No – verify drop-down menu of other options will appear.
 - ii. Select Yes - enter the name and location of the establishment in the fields to run a search.
 - i. PBT Given
 - i. Select No
 - ii. Select Yes - enter a PBT time.
 - j. Summary Screen – verify information displayed matches information entered
 - k. Scan Operator Card
 - i. Enter No enter information manually
 - ii. Enter Yes, scan card and verify information
 - l. Summary Screen – verify information displayed matches information entered
 - m. Subject Ethnic Group - Select the subject’s ethnicity from the drop-down menu. Verify all choices are present.
 - n. Subject Driver License State
 - i. Select Washington, Oregon, Idaho – Verify option to scan the license follows
 1. Scan Washington, Oregon, and Idaho licenses
 - ii. Select other states – Verify the only option is to enter information manually
 1. Enter information manually
 - a. Verify Gender will include a third gender option for non-binary displayed as “X.”

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

- o. Summary Screen – verify information displayed matches information entered, specifically the gender option
 - p. Provide a breath test
 - i. Stop prior to sample acceptance, take a breath, then continue
 - q. Printout – verify the printout accurately reflects data entry, requested spacing and Penalty of Perjury Statement verbiage.
7. Set up the instrument for a second breath test
 - a. Allow two minutes to pass – Verify "Refusal" and "Incomplete" are displayed.
 - i. Select "Incomplete"
 - ii. Verify an "Incomplete" breath test document is produced
8. Set up the instrument for a third breath test
 - a. After all data is entered and breath test sequence has begun, press "Stop" – verify "Refusal," "Incomplete," and "Continue" are displayed.
 - i. Select "Refusal"
 - ii. Verify an "Refusal" breath test document is produced
9. Identify active cylinder. Set up to run a Supervisor Test and select the non-active cylinder. Run a supervisory test to determine the selected cylinder is accessed during the Supervisor Test. Change the active cylinder and repeat.
10. Reprint function
 - a. Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.
 - b. Verify the following are listed as database reprint options:
 - i. Evidential Subject Test
 - ii. Training Subject Test
 - iii. External Standard Change
 - iv. Supervisor Test
 - v. ABA
 - vi. Special ABA
 - vii. QAP Printout
 - c. Verify the following are not listed as database reprint options:
 - i. Enable/Disable
 - ii. QAP Set Cert
 - iii. QAP calibration
 - iv. QAP Linearity
 - v. QAP Mouth Alcohol
 - vi. QAP Interference
 - vii. QAP Breath Test
11. Verify appropriate automatic time adjustments
 - a. Set date and time to March 14, 2021, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0300 hours.
 - b. Set date and time to November 07, 2021, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0100 hours.
12. Perform a cylinder change.
13. Verify polling data reflects entered data (scanned and manual entries; gender selection; etc.).

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

DROP-DOWN LISTS

COUNTY OF ARREST	CRIME ARRESTED FOR	DRINKING LOCATION	ETHNIC GROUP
Adams	DUI	Refused	White
Asotin	Physical control	Refuses to give info	Black
Benton	0.02 Minor law	Unknown	Asian
Chelan	Commercial drivers lic.	Banquet/formal party	East Indian
Clallam	Officer self test	Club-Elks,Moose,etc	Native American
Clark	Administrative Procedure	Comm non pass	Hispanic
Columbia	Other	Dining establishment	Pacific Islander
Cowlitz	Assault	Event-sprtnng,cncrt,etc.	Other
Douglas	Domestic Violence	Other	
Ferry	Boating under the Influence	Pass/comm. conv	
Franklin	Homicide by Watercraft	Private conveyance	
Garfield	Assault by Watercraft	Private home	
Grant		Public bar/tavern	
Grays Harbor		Drinking in Canada	
Island		Drinking in Idaho	
Jefferson		Drinking in Oregon	
King		Vessel,prvtly owned	
Kitsap		Vessel,commercial	
Kittitas			
Klickitat			
Lewis			
Lincoln			
Mason			
Okanogan			
Pacific			
Pend Oreille			
Pierce			
San Juan			
Skagit			
Skamania			
Snohomish			
Spokane			
Stevens			
Thurston			
Wahkiakum			
Walla Walla			
Whatcom			
Whitman			
Yakima			

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation

Technician:

Instrument Serial Number:

Date Testing Performed:

Affix the
initialed &
dated
active
software
versions
printout
here.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Observation times

Draeger Displayed Time	Entered Time	Result
Comments		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other Licenses & manual entry	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

Breath Test Scenarios

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation Supplemental

Technician:

Instrument Serial Number:

Date Testing Performed:

Perform at least three breath test sequences, varying observation times:

1. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 119 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
2. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 120 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
3. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 121 minutes** prior to the time displayed on the Draeger clock. The instrument should not continue with the testing sequence.

Observation times

Draeger Displayed Time	Entered Time	Result
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation Supplemental #2

Technician:

Instrument Serial Number:

(current software/ WinCE 8322797 version 5.11, M16 8322798 version 0.9, Config 8322796 version 2.7):

Instrument Serial Number:

(new software/ WinCE 8322797 version 5.13, M16 8322798 version 1.0, Config 8322796 version 2.9):

Date(s) Testing Performed:

On each instrument, connect a dry gas canister to the instrument with a concentration outside of the external standard range (0.072 to 0.088 inclusive).

In **Evidential mode**, perform the following:

1. When the instrument is ready, provide an adequate first breath sample.
2. Wait for the CAL. STANDARD FAILED status message to appear.
3. Let the instrument continue or touch "Continue"
4. Record the results

Restart the sequence

5. When the instrument is ready, provide an adequate first breath sample.
6. Wait for the CAL. STANDARD FAILED status message to appear.
7. Create another non-disabling status code
 - a. BLOWING NOT ALLOWED
 - b. INHALATION DETECTED
 - c. CHECK AIRWAY
8. Record the results

In **Training mode**, perform the following:

1. When the instrument is ready, provide an adequate first breath sample.
2. Wait for the CAL. STANDARD FAILED status message to appear.
3. Let the instrument continue or touch "Continue"
4. Place the instrument back into Evidential Mode
5. Record the results

Restart the sequence

6. When the instrument is ready, provide an adequate first breath sample.
7. Wait for the CAL. STANDARD FAILED status message to appear.
8. Create another non-disabling status code
 - a. BLOWING NOT ALLOWED
 - b. INHALATION DETECTED
 - c. CHECK AIRWAY
9. Place the instrument back into Evidential Mode
10. Record the results

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Expected Results

Evidential Mode:

Current Software:

- When allowed to continue following a “CAL. STANDARD FAILED” or “CAL GAS SUPPLY” message, the instrument places itself out of service.
- When a second status message is generated (“BLOWING NOT ALLOWED,” “INHALATION DETECTED,” “CHECK AIRWAY”) after the “CAL. STANDARD FAILED” status code, the instrument does not place itself out of service.

New Software:

- When allowed to continue following a “CAL. STANDARD FAILED” or “CAL GAS SUPPLY” message, the instrument places itself out of service.
- When a second status message is generated (“BLOWING NOT ALLOWED,” “INHALATION DETECTED,” “CHECK AIRWAY”) after the “CAL. STANDARD FAILED” status code, the instrument does place itself out of service.

Training Mode:

Current Software:

- When allowed to continue subsequent to a “CAL. STANDARD FAILED” or “CAL GAS SUPPLY” message, the instrument remains in service while in Training Mode. When the instrument is placed back into Evidential Mode, the instrument does place itself out of service.
- When a second status message was generated (“BLOWING NOT ALLOWED,” “INHALATION DETECTED,” “CHECK AIRWAY”), the instrument does not place itself out of service when put back into Evidential Mode.

New Software:

- When allowed to continue subsequent to a “CAL. STANDARD FAILED” or “CAL GAS SUPPLY” message, the instrument remains in service while in Training Mode but does put itself out of service when placed back into Evidential Mode.
- When a second status message is generated (“BLOWING NOT ALLOWED,” “INHALATION DETECTED,” “CHECK AIRWAY”), the instrument remains in service while in Training Mode but does put itself out of service when placed back into Evidential Mode.

Technician Comments

Technician worksheets

Version 5.13, 1.0, 2.9

ARAH-0094
Trooper Justin Rumsey
Version 5.13, 1.0, 2.9

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation

Technician: JUSTIN RUMSEY

Instrument Serial Number: ARAH-0094

Date Testing Performed: 09-28-2021

Draeger Alcotest 9510
Version Info

Date: 28.09.2021
Time: 08:05

Serial: ARAH-0094

M16 Ver:1.0/8322798
M16 Checksum:0xF39C
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:2.9/8322796
AP Ver:2.9/8322796A
NAP Ver:2.9/8322796NA
AP/NAP CRC:0x3236/0xDA79

Drink. location: 0x6AAA
Lifecounter: 44532

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

OK 09-28-21

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Observation times

Draeger Displayed Time	Entered Time	Result
1325	1325	DISPLAYED 16 MIN COUNTDOWN
1328	1000	OBSERVATION START TIME IS VALID BETWEEN 1128-1328
1330	1335	OBSERVATION START TIME IS VALID BETWEEN 1130-1330
1331	1316	DISPLAYED 1 MIN COUNTDOWN
1332	1325	"PLEASE WAIT 9 MIN"
1333	1315	SUMMARY SCREEN DISPLAYED THE TIME ENTERED 1315
Comments ALL ASPECTS WORKED AS EXPECTED. ALSO CHANGED - DISPLAY 0100, ENTERED 2330, DISPLAY 0102 ENTERED 2340. WORKED AS INTENDED		

Data entry

Type of data	Instrument reacted as intended (yes/no)		Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Other Licenses & manual entry	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	OHIO - SCAN, OKLAHOMA - SCAN
Gender "X"	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Comments CRIME ADDRESSED FOR: YES			

Breath Test Scenarios

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0094
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.9
 TECHNICIAN: JUSTIN RUMSEY
 TIME/DATE BEGAN: 08:54 09/28/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202007A REF VALUE: 0.0806 SIM#: DR4522 THERM#: DR4522

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	DR4487	DR4522	DR4983	DR4489
Sim Thermometer #	DR4487	DR4522	DR4983	DR4489
QAP Batch #	202003A	202103C	202103B	202010C
Reference Value	0.0405	0.0802	0.1503	0.2022
Sim Temp 34.0°C ± 0.2°C Before?	YES	YES	YES	YES
	IR EC	IR EC	IR EC	IR EC
1	0.039 0.039	0.079 0.078	0.149 0.146	0.200 0.195
2	0.039 0.039	0.079 0.079	0.148 0.147	0.200 0.196
3	0.039 0.039	0.079 0.079	0.148 0.147	0.200 0.197
4	0.039 0.039	0.080 0.079	0.149 0.147	0.200 0.197
5	0.039 0.039	0.080 0.079	0.148 0.146	0.200 0.196
Sim Temp 34.0°C ± 0.2°C After?	YES	YES	YES	YES
Mean	0.0390 0.0390	0.0794 0.0788	0.1484 0.1466	0.2000 0.1962
SD	0.0000 0.0000	0.0005 0.0004	0.0005 0.0005	0.0000 0.0008
Bias %	-3.70 -3.70	-1.00 -1.75	-1.26 -2.46	-1.09 -2.97
CV %	0.00 0.00	0.63 0.51	0.34 0.34	0.00 0.41

COMPLETE BREATH TEST: YES ESS LOT#: 1308463 EXP DATE: 04/06/2023

INTERFERENCE TEST: YES BATCH#: 202103C SIM#: DR4522
 ACETONE LOT#: MS20190909 THERM#: DR4522

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SU

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

JUSTIN RUMSEY
Technician Name

Signature

1220 09-28-2021
Time/Date Procedure Completed

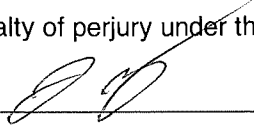
**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 09/28/2021

Analysis Date: **09/28/2021**
Observation Period Began: **13:30**
Citation/Case Number: **123ABC**
Operator Name: **RUMSEY/ JUSTIN/ P**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **09/28/1980**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:06		
Internal Standard	VERIFIED	14:07		
Subject Sample 1			2.1	7.0
IR Result	0.000	14:07		
EC Result	0.000	14:07		
Blank Test	0.000	14:08		
External Standard IR	0.080	14:09		
External Standard EC	0.078	14:09		
Blank Test	0.000	14:11		
Subject Sample 2			2.1	9.0
IR Result	0.000	14:11		
EC Result	0.000	14:11		
Blank Test	0.000	14:12		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 09-28-21 Location: City/State YAKIMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 09/28/2021

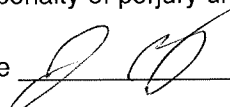
Analysis Date: **09/28/2021**
Observation Period Began: **13:45**
Citation/Case Number: **1234A**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **WASHINGTON/ CDL/ WSPTESTREC**
Subject Date of Birth: **05/05/1957**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:17		
Internal Standard	VERIFIED	14:17		
Subject Sample 1			-----	-----
IR Result	-----	14:20		
EC Result	-----	14:20		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 09-28-21 Location: City/State KENNESAW, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 09/28/2021

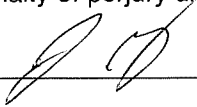
Analysis Date: **09/28/2021**
Observation Period Began: **13:45**
Citation/Case Number: **1234A**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **WASHINGTON/ CDL/ WSPTESTREC**
Subject Date of Birth: **05/05/1957**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:21		
Internal Standard	VERIFIED	14:22		
Subject Sample 1			-----	-----
IR Result	-----	14:22		
EC Result	-----	14:22		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 09/28/21 Location: City/State MIAMI, WA

**Washington State Patrol
Supervisor Test**

Test Date: 09/28/2021 14:24

Sequential Test #: 857

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARAH-0094

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	14:24
Blank Test	0.000	14:25
External Standard IR	0.080	14:25
External Standard EC	0.078	14:25
Blank Test	0.000	14:26
Diagnostic	OK	14:26

Operator: Justin Remy

Signature: 

Sig. Date: 09-28-21

**Washington State Patrol
Supervisor Test**

Test Date: 09/28/2021 14:27 Sequential Test #: 858

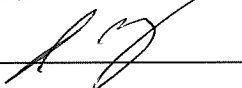
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARAH-0094

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	14:27
Blank Test	0.000	14:27
External Standard IR	0.078	14:28
External Standard EC	0.076	14:28
Blank Test	0.000	14:28
Diagnostic	OK	14:29

Operator: Justin Rumsey

Signature:  Sig. Date: 09-28-21

**Washington State Patrol
External Standard Change**

Test Date: 09/28/2021 Sequential Test #: 859
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARAH-0094</u>	<u>09/28/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1428765</u>	<u>0.080</u>	<u>12/31/2023</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	14:48
External Standard IR	0.080	14:48
External Standard EC	0.078	14:48
Blank Test	0.000	14:50
External Standard IR	0.080	14:50
External Standard EC	0.078	14:50
Blank Test	0.000	14:52
External Standard IR	0.080	14:52
External Standard EC	0.079	14:52
Blank Test	0.000	14:52

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JUSTIN RUMSEY

Signature:  Sig. Date: 09/28/2021

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation Supplemental

Technician: Justin Rumsey

Instrument Serial Number: ARAH-0094

Date Testing Performed: 11-09-2021

Perform at least three breath test sequences, varying observation times:

1. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 119 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
2. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 120 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
3. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 121 minutes** prior to the time displayed on the Draeger clock. The instrument should not continue with the testing sequence.

Observation times

Draeger Displayed Time	Entered Time	Result
1304	1105	ALLOWED THE TEST TO PROCEED
1305	1105	ALLOWED THE TEST TO PROCEED
1307	1106	INSTRUMENT DISPLAYED "OBSERVATION START TIMES ARE VALID BETWEEN 11:07 AND 13:07"
1324	1308	ALLOWED THE TEST TO PROCEED
1327	1312	INSTRUMENT DISPLAYED "PLEASE WAIT" AND HAD A ONE MINUTE TIMER
Comments ALL TESTS WORKED AS EXPECTED.		

Software Verification Documentation Supplemental #2

Technician: Trooper Justin Rumsey

Instrument Serial Number: ARAH-0092

(current software/ WinCE 8322797 version 5.11, M16 8322798 version 0.9, Config 8322796 version 2.7):

Instrument Serial Number: ARAH-0094

(new software/ WinCE 8322797 version 5.13, M16 8322798 version 1.0, Config 8322796 version 2.9):

Date(s) Testing Performed: 02-28-2022 and 03-10-2022

On each instrument, connect a dry gas canister to the instrument with a concentration outside of the external standard range (0.072 to 0.088 inclusive).

In **Evidential mode**, perform the following:

1. When the instrument is ready, provide an adequate first breath sample.
2. Wait for the Cal Standard Fail status message to appear.
3. Let the instrument continue
4. Record the results

Restart the sequence

5. When the instrument is ready, provide an adequate first breath sample.
6. Wait for the Cal Standard Fail status message to appear.
7. Blow into or inhale from the breath hose, or in case of purging block the breath hose
8. Record the results

In **Training mode**, perform the following:

1. When the instrument is ready, provide an adequate first breath sample.
2. Wait for the Cal Standard Fail status message to appear.
3. Let the instrument continue
4. Place the instrument back into Evidential Mode
5. Record the results

Restart the sequence

6. When the instrument is ready, provide an adequate first breath sample.
7. Wait for the Cal Standard Fail status message to appear.
8. Blow into or inhale from the breath hose, or in case of purging block the breath hose
9. Place the instrument back into Evidential Mode
10. Record the results

Expected Results

Evidential Mode:

Current Software:

- When allowed to continue following a “Cal Standard Fail” message, the instrument places itself out of service.
- When a second status message is generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”) after the “Cal Standard Fail” status code, the instrument does not place itself out of service.

New Software:

- When allowed to continue following a “Cal Standard Fail” message, the instrument places itself out of service.
- When a second status message is generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”) after the “Cal Standard Fail” status code, the instrument does place itself out of service.

Training Mode:

Current Software:

- When allowed to continue subsequent to a “Cal Standard Fail” message, the instrument remains in service while in Training Mode. When the instrument is placed back into Evidential Mode, the instrument does place itself out of service.
- When a second status message was generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”), the instrument does not place itself out of service when put back into Evidential Mode.

New Software:

- When allowed to continue subsequent to a “Cal Standard Fail” message, the instrument remains in service while in Training Mode but does put itself out of service when placed back into Evidential Mode.
- When a second status message is generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”), the instrument remains in service while in Training Mode but does put itself out of service when placed back into Evidential Mode.

Technician Comments

Evidential mode:

I tested the new software by connecting a dry gas cylinder that tested outside of the requirements of the .072-.088 inclusive range. After providing the first breath sample the instrument tested the external standard then displayed Cal Standard failed. Then as the instrument was purging I started blowing into the breath hose, the instrument did not print out a breath test ticket and it placed itself out of service. I then followed those same instructions and after the Cal standard failure I covered the breath hose so it could not purge, the instrument did not print out a breath test ticket and it placed itself out of service. The changes to the software for this testing sequence worked as expected.

When I performed those same scenarios with the current software the instrument did not print out a completed breath test ticket, however it also did not place itself out of service.

Training mode:

Under both testing scenarios (allowing the instrument to continue or and when blocking the breath hose) the instrument with the current software did not place itself out of service while in training mode. Once I switched the instrument from training mode into evidence mode the instrument placed itself out of service upon switching to evidence mode. The instrument with the new software installed functioned the same as the current software when switching between training and evidence mode for both testing scenarios. However, the status message of “Check Airway” did not appear.

When the status message of “Blowing Not Allowed” or “Inhalation Detected” appeared, the instrument with the current software remained in service while in the training mode and also after placing it back into evidential mode.

For the instrument with the new software, when the status message of “Blowing Not Allowed” or “Inhalation Detected” appeared, the instrument with the current software remained in service while in the training mode but went out of service after placing it back into evidential mode.

All aspects of the new software worked as expected.

AREH-0023
Trooper John Axtman
Version 5.13, 1.0, 2.9

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation

Technician: *AXTMAN, JOHN G*

Instrument Serial Number: *AREH-0023*

Date Testing Performed: *10/07/21*

```
Draeger Alcotest 9510
Version info

Date: 07.10.2021
Time: 13:19

Serial: AREH-0023

M16 Ver:1.0/8322798
M16 Checksum:0xF39C
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:2.9/8322796
AP Ver:2.9/8322796A
NAP Ver:2.9/8322796NA
AP/NAP CRC:0x3236/0xDA79

Drink location: 0x6AAA
Lifecounter: 41284

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion
WA
```

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Observation times

Draeger Displayed Time	Entered Time	Result
15:09	15:09	16 MIN COUNT DOWN
15:12	13:12	"OBSERVATION START TIME IS BETWEEN 13:12 AND 15:12"
15:13	12:13	"OBSERVATION START TIME IS BETWEEN 13:13 AND 15:13"
15:15	15:00	1 MIN COUNT DOWN
15:17	15:12	11 MIN COUNT DOWN
15:27	15:13	2 MIN COUNT DOWN
Comments		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	SELECTED OREGON & SUMMIT IDAHO LICENSES
Other Licenses & manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

Breath Test Scenarios

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: AREH-0023
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.9
 TECHNICIAN: AXTMAN/JOHN
 TIME/DATE BEGAN: 13:23 10/07/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202007A REF VALUE: 0.0806 SIM#: DR2513 THERM#: DR2513

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
Sim Thermometer #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
QAP Batch #	<u>202003A</u>		<u>202103C</u>		<u>202001A</u>		<u>202010C</u>	
Reference Value	<u>0.0405</u>		<u>0.0802</u>		<u>0.1513</u>		<u>0.2022</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.195</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.148</u>	<u>0.147</u>	<u>0.199</u>	<u>0.195</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.078</u>	<u>0.079</u>	<u>0.148</u>	<u>0.146</u>	<u>0.200</u>	<u>0.196</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.078</u>	<u>0.079</u>	<u>0.147</u>	<u>0.146</u>	<u>0.199</u>	<u>0.195</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.147</u>	<u>0.146</u>	<u>0.199</u>	<u>0.196</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0786</u>	<u>0.0788</u>	<u>0.1478</u>	<u>0.1462</u>	<u>0.1994</u>	<u>0.1954</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0005</u>	<u>0.0004</u>	<u>0.0008</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0005</u>
Bias %	<u>-3.70</u>	<u>-3.70</u>	<u>-2.00</u>	<u>-1.75</u>	<u>-2.31</u>	<u>-3.37</u>	<u>-1.38</u>	<u>-3.36</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.64</u>	<u>0.51</u>	<u>0.54</u>	<u>0.27</u>	<u>0.25</u>	<u>0.26</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1428765 EXP DATE: 12/31/2023

INTERFERENCE TEST: YES BATCH#: 202007A SIM#: DR2513
 ACETONE LOT#: JM20190410 THERM#: DR2513

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060J

COMMENTS:

AS FOUND ESS RESULT: IR: _____ EC: _____

AXTMAN/JOHN
Technician Name

Signature

2:32 pm 10/7/21
Time/Date Procedure Completed

Washington State Patrol
External Standard Change

Test Date: 10/07/2021 Sequential Test #: 1346
Location: WASHINGTON

Breath Test Instrument Information

Model Serial Number QAP Date
Alcotest 9510 AREH-0023 10/07/2021

Drygas Cylinder External Standard Information

Lot Number Concentration Expiration Inlet
1171207 0.080 07/10/2022 CAL GAS INLET 1

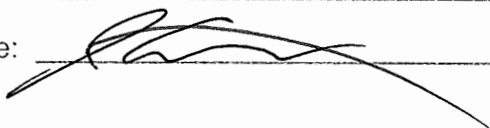
External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	14:42
External Standard IR	0.071	14:42
External Standard EC	0.071	14:42
Blank Test	-----	--:--
External Standard IR	-----	--:--
External Standard EC	-----	--:--
Blank Test	-----	--:--
External Standard IR	-----	--:--
External Standard EC	-----	--:--
Blank Test	-----	--:--

External Standard Change Results: CYLINDER INSTALLATION FAILED -- EXT. STANDARD FAILED

Operator Information

Operator: JOHN AXTMAN

Signature:  Sig. Date: 10/07/2021

1ST FAILED GAS CHANGER

Washington State Patrol
External Standard Change

Test Date: 10/07/2021
Location: WASHINGTON

Sequential Test #: 1347

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>AREH-0023</u>	<u>10/07/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1171207</u>	<u>0.080</u>	<u>07/10/2022</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result	Time
	<u>g/210L</u>	<u>HH:MM</u>
Blank Test	0.000	14:48
External Standard IR	0.072	14:48
External Standard EC	0.070	14:48
Blank Test	-----	--:--
External Standard IR	-----	--:--
External Standard EC	-----	--:--
Blank Test	-----	--:--
External Standard IR	-----	--:--
External Standard EC	-----	--:--
Blank Test	-----	--:--

External Standard Change Results: CYLINDER INSTALLATION FAILED -- EXT. STANDARD FAILED

Operator Information

Operator: JOHN AXTMAJ

Signature: 

Sig. Date: 10/07/2021

2ND FAILED GAS CHANGE (USING DIFF. SOLUTION) NEXT TRY)

Washington State Patrol
External Standard Change

Test Date: 10/07/2021
Location: WASHINGTON

Sequential Test #: 1348

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>AREH-0023</u>	<u>10/07/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1428765</u>	<u>0.080</u>	<u>12/31/2023</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	14:53
External Standard IR	0.078	14:53
External Standard EC	0.076	14:53
Blank Test	0.000	14:54
External Standard IR	0.078	14:54
External Standard EC	0.077	14:54
Blank Test	0.000	14:56
External Standard IR	0.079	14:56
External Standard EC	0.078	14:56
Blank Test	0.000	14:56

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JOHN AXTMAN

Signature: 

Sig. Date: 10/07/2021

NON SOLUTION SUCCESS

Washington State Patrol
External Standard Change

Test Date: 10/07/2021 Sequential Test #: 1349
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>AREH-0023</u>	<u>10/07/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1171207</u>	<u>0.080</u>	<u>07/10/2022</u>	<u>CAL GAS INLET 2</u>

External Standard Test Details

Function	Result	Time
	<u>g/210L</u>	<u>HH:MM</u>
Blank Test	0.000	15:01
External Standard IR	0.076	15:01
External Standard EC	0.074	15:01
Blank Test	0.000	15:03
External Standard IR	0.076	15:03
External Standard EC	0.075	15:03
Blank Test	0.000	15:04
External Standard IR	0.076	15:04
External Standard EC	0.075	15:04
Blank Test	0.000	15:05

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JOHN AXTMAN

Signature:  Sig. Date: 10/07/2021

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0023
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/07/2021

Analysis Date: **10/07/2021**
Observation Period Began: **15:14**
Citation/Case Number: **ABC123**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **SAMPLE/ FEMALE/ NONE**
Subject Date of Birth: **01/01/1980**
External Standard Lot: **1171207**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	15:46		
Internal Standard	VERIFIED	15:47		
Subject Sample 1			1.9	6.2
IR Result	0.000	15:47		
EC Result	0.000	15:47		
Blank Test	0.000	15:48		
External Standard IR	0.077	15:49		
External Standard EC	0.076	15:49		
Blank Test	0.000	15:51		
Subject Sample 2			2.0	6.7
IR Result	0.000	15:51		
EC Result	0.000	15:51		
Blank Test	0.000	15:52		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JOHN AXTMAN

Date 10/07/21 Location: City/State SPokane, WA

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER AREH-0023
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/07/2021

Analysis Date: 10/07/2021
Observation Period Began: 15:30
Citation/Case Number: ABC123
Operator Name: AXTMAN/ JOHN/ G
Subject Name: SAMPLE/ MALE/ -
Subject Date of Birth: 01/01/1980
External Standard Lot: 1171207

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	16:05		
Internal Standard	VERIFIED	16:06		
Subject Sample 1			1.9	7.0
IR Result	0.000	16:07		
EC Result	0.000	16:07		
Blank Test	0.000	16:08		
External Standard IR	0.077	16:09		
External Standard EC	0.075	16:09		
Blank Test	0.000	16:10		
Subject Sample 2			2.3	8.3
IR Result	0.000	16:11		
EC Result	0.000	16:11		
Blank Test	0.000	16:12		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date 10/07/21 Location: City/State SPOKANE, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0023
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/07/2021

Analysis Date: **10/07/2021**
Observation Period Began: **16:00**
Citation/Case Number: **123ABC**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **TWO/ QFLOW/ TEST**
Subject Date of Birth: **05/05/1985**
External Standard Lot: **1171207**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	16:20		
Internal Standard	VERIFIED	16:20		
Subject Sample 1			-----	-----
IR Result	0.0000000000000000	16:23		
EC Result	0.0000000000000000	16:23		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	0.0000000000000000	--:--		
EC Result	0.0000000000000000	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JOHN AXTMAN

Date 10/07/21 Location: City/State SPOKANE / ID

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0023
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/07/2021

Analysis Date: **10/07/2021**
Observation Period Began: **16:10**
Citation/Case Number: **21-123456**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **SAMPLE/ BRENDA/ LYN**
Subject Date of Birth: **10/01/2000**
External Standard Lot: **1171207**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	16:30		
Internal Standard	----	--:--		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JOHN AXTMAN

Date 10/07/21 Location: City/State SPOKANE, WA

Washington State Patrol
Supervisor Test

Test Date: 10/07/2021 16:33 Sequential Test #: 1354


Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AREH-0023

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	16:33
Blank Test	0.000	16:33
External Standard IR	0.080	16:33
External Standard EC	0.077	16:33
Blank Test	0.000	16:34
Diagnostic	OK	16:35

Operator: JOHN AXTMAN

Signature:  Sig. Date: 10/07/21

Washington State Patrol
Supervisor Test

Test Date: 10/07/2021 16:36

Sequential Test #: 1355

Breath Test Instrument Information


Model Alcotest 9510

Serial Number: AREH-0023

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	16:36
Blank Test	0.000	16:36
External Standard IR	0.077	16:37
External Standard EC	0.075	16:37
Blank Test	0.000	16:37
Diagnostic	OK	16:38

Operator: JOHN AXTMAN

Signature: 

Sig. Date: 10/07/21

REPRINT ✓

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER AREH-0023
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/07/2021

Analysis Date: 10/07/2021
Observation Period Began: 16:10
Citation/Case Number: 21-123456
Operator Name: AXTMAN/ JOHN/ G
Subject Name: SAMPLE/ BRENDA/ LYN
Subject Date of Birth: 10/01/2000
External Standard Lot: 1171207

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	16:30		
Internal Standard	----	--:--		
Subject Sample 1			-----	-----
IR Result	NA 070 000 000 000	--:--		
EC Result	NA 001 000 000 000	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	NA 001 000 000 000	--:--		
EC Result	NA 000 000 000 000	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JOHN AXTMAN

Date 10/07/21 Location: City/State SPOKANE, WA

RE-PRINT

Washington State Patrol
External Standard Change

Test Date: 10/07/2021
Location: WASHINGTON

Sequential Test #: 1349

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>AREH-0023</u>	<u>10/07/2021</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1171207</u>	<u>0.080</u>	<u>07/10/2022</u>	<u>CAL GAS INLET 2</u>

External Standard Test Details

Function	Result	Time
	<u>g/210L</u>	<u>HH:MM</u>
Blank Test	0.000	15:01
External Standard IR	0.076	15:01
External Standard EC	0.074	15:01
Blank Test	0.000	15:03
External Standard IR	0.076	15:03
External Standard EC	0.075	15:03
Blank Test	0.000	15:04
External Standard IR	0.076	15:04
External Standard EC	0.075	15:04
Blank Test	0.000	15:05

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JOHN AXTMAN

Signature: 

Sig. Date: 10/07/2021

125-PRNT

Washington State Patrol
Supervisor Test

Test Date: 10/07/2021 16:36 Sequential Test #: 1355

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AREH-0023

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	16:36
Blank Test	0.000	16:36
External Standard IR	0.077	16:37
External Standard EC	0.075	16:37
Blank Test	0.000	16:37
Diagnostic	OK	16:38

Operator: JOHN AKTMAN

Signature: 

Sig. Date: 10/07/21

RE-PRINT

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: AREH-0023
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.9
 TECHNICIAN: AXTMAN/JOHN
 TIME/DATE BEGAN: 13:23 10/07/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202007A REF VALUE: 0.0806 SIM#: DR2513 THERM#: DR2513

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
Sim Thermometer #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
QAP Batch #	<u>202003A</u>		<u>202103C</u>		<u>202001A</u>		<u>202010C</u>	
Reference Value	<u>0.0405</u>		<u>0.0802</u>		<u>0.1513</u>		<u>0.2022</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.195</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.148</u>	<u>0.147</u>	<u>0.199</u>	<u>0.195</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.078</u>	<u>0.079</u>	<u>0.148</u>	<u>0.146</u>	<u>0.200</u>	<u>0.196</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.078</u>	<u>0.079</u>	<u>0.147</u>	<u>0.146</u>	<u>0.199</u>	<u>0.195</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.147</u>	<u>0.146</u>	<u>0.199</u>	<u>0.196</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0786</u>	<u>0.0788</u>	<u>0.1478</u>	<u>0.1462</u>	<u>0.1994</u>	<u>0.1954</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0005</u>	<u>0.0004</u>	<u>0.0008</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0005</u>
Bias %	<u>-3.70</u>	<u>-3.70</u>	<u>-2.00</u>	<u>-1.75</u>	<u>-2.31</u>	<u>-3.37</u>	<u>-1.38</u>	<u>-3.36</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.64</u>	<u>0.51</u>	<u>0.54</u>	<u>0.27</u>	<u>0.25</u>	<u>0.26</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1428765 EXP DATE: 12/31/2023

INTERFERENCE TEST: YES BATCH#: 202007A SIM#: DR2513
 ACETONE LOT#: JM20190410 THERM#: DR2513

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060J

COMMENTS:

AS FOUND ESS RESULT: IR: _____ EC: _____

AXTMAN/JOHN
 Technician Name


 Signature

16:46 10/07/21
 Time/Date Procedure Completed

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation Supplemental

Technician: Trooper John G. Axtman

Instrument Serial Number: AREH-0023

Date Testing Performed: 11/18/2021

Perform at least three breath test sequences, varying observation times:

1. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 119 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
2. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 120 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
3. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 121 minutes** prior to the time displayed on the Draeger clock. The instrument should not continue with the testing sequence.

Observation times

Draeger Displayed Time	Entered Time	Result
0727	0528	Test allowed.
0728	0528	Test allowed.
0729	0528	Test not allowed. Outside valid observation start time.
Comments		

951
11/18/2021

ARJN-0047
Forensic Scientist Ruth Cramer
Version 5.13, 1.0, 2.9

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation

Technician: *Ruth Cramer*
Instrument Serial Number: *ARJN-0047*
Date Testing Performed: *10-19-2021*

Draeger Alcotest 9510
Version info

Date: 19.10.2021
Time: 09:03

Serial: ARJN-0047

M16 Ver: 1.0/8322798
M16 Checksum: 0xF39C
BTL Ver: 1.5/8323536

WinCE Ver: 5.13/8322797
WinCE Checksum: 0x5E94
WinCE ImageVer: 1.8

Cfg Ver: 2.9/8322796
AP Ver: 2.9/8322796A
NAP Ver: 2.9/8322796NA
AP/NAP CRC: 0x3236/0xDA79

Drink. location: 0x6AAA
Lifecounter: 33289

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

R. Cramer
10-19-2021

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Observation times

Draeger Displayed Time	Entered Time	Result
09:06	09:06	Timer started at 16 minutes
09:07	06:07	Requests time between 7:07 and 9:07
09:10	09:15	Requests time between 09:10 and 9:10
09:12	08:57	One minute timer
09:14	09:10	12 minute timer
Comments Cari > verified		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Alaska, Arkansas etc -> option to scan
Washington, Oregon, Idaho Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Other Licenses & manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments Expired operator card ended Test		

Breath Test Scenarios

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARJN-0047
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.9
 TECHNICIAN: RUTH CRAMER
 TIME/DATE BEGAN: 13:18 10/18/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202007A REF VALUE: 0.0806 SIM#: DR4759 THERM#: DR4759

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4469</u>	<u>DR4470</u>	<u>DR4471</u>	<u>DR4479</u>
Sim Thermometer #	<u>DR4469</u>	<u>DR4470</u>	<u>DR4471</u>	<u>DR4479</u>
QAP Batch #	<u>202011B</u>	<u>202103C</u>	<u>202010F</u>	<u>202010C</u>
Reference Value	<u>0.0407</u>	<u>0.0802</u>	<u>0.1514</u>	<u>0.2022</u>
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>
1	<u>0.039</u> <u>0.039</u>	<u>0.080</u> <u>0.079</u>	<u>0.154</u> <u>0.150</u>	<u>0.201</u> <u>0.194</u>
2	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.079</u>	<u>0.152</u> <u>0.149</u>	<u>0.199</u> <u>0.193</u>
3	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.079</u>	<u>0.151</u> <u>0.148</u>	<u>0.199</u> <u>0.193</u>
4	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.079</u>	<u>0.150</u> <u>0.148</u>	<u>0.199</u> <u>0.192</u>
5	<u>0.039</u> <u>0.039</u>	<u>0.079</u> <u>0.078</u>	<u>0.150</u> <u>0.147</u>	<u>0.199</u> <u>0.192</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
Mean	<u>0.0390</u> <u>0.0390</u>	<u>0.0792</u> <u>0.0788</u>	<u>0.1514</u> <u>0.1484</u>	<u>0.1994</u> <u>0.1928</u>
SD	<u>0.0000</u> <u>0.0000</u>	<u>0.0004</u> <u>0.0004</u>	<u>0.0017</u> <u>0.0011</u>	<u>0.0009</u> <u>0.0008</u>
Bias %	<u>-4.18</u> <u>-4.18</u>	<u>-1.25</u> <u>-1.75</u>	<u>0.00</u> <u>-1.98</u>	<u>-1.38</u> <u>-4.65</u>
CV %	<u>0.00</u> <u>0.00</u>	<u>0.51</u> <u>0.51</u>	<u>1.12</u> <u>0.74</u>	<u>0.45</u> <u>0.41</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1094498 EXP DATE: 03/05/2022
 INTERFERENCE TEST: YES BATCH#: 202007A SIM#: DR3069
 ACETONE LOT#: RC20190625 THERM#: DR3069

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SY

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

RUTH CRAMER
Technician Name

Signature

1513 10-18-2021
Time/Date Procedure Completed

Draeger Alcotest 9510
Version info

Date: 18.10.2021
Time: 13:15

Serial: ARJN-0047

M16 Ver:1.0/8322798
M16 Checksum:0xF39C
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:2.9/8322796
AP Ver:2.9/8322796A
NAP Ver:2.9/8322796NA
AP/NAP CRC:0x3236/0xDA79

Drink. location: 0x6AAA
Lifecounter: 33269

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:

WA

Kramer
10-18-2021

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/18/2021

Analysis Date: **10/19/2021**
Observation Period Began: **08:15**
Citation/Case Number: **JD93444MG**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **CRAMER/ RUTH/ A**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:09		
Internal Standard	VERIFIED	10:10		
Subject Sample 1			1.5	5.3
IR Result	0.000	10:10		
EC Result	0.000	10:10		
Blank Test	0.000	10:11		
External Standard IR	0.078	10:12		
External Standard EC	0.074	10:12		
Blank Test	0.000	10:13		
Subject Sample 2			1.5	6.4
IR Result	0.000	10:14		
EC Result	0.000	10:14		
Blank Test	0.000	10:15		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Ruth Cramer

Printed Name Ruth Cramer

Date 10-19-2021 Location: City/State Tumwater, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/18/2021

Analysis Date: **10/19/2021**
Observation Period Began: **09:00**
Citation/Case Number: **IFT556HM**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **ROBINSON/ TEST/ RECORD**
Subject Date of Birth: **07/21/2000**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:24		
Internal Standard	VERIFIED	10:25		
Subject Sample 1			-----	-----
IR Result	-----	10:27		
EC Result	-----	10:27		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Ruth Cramer

Printed Name Ruth Cramer

Date 10-19-2021 Location: City/State Tumwater, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/18/2021

Analysis Date: **10/19/2021**
Observation Period Began: **10:00**
Citation/Case Number: **TEST8367**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **ROBINSON/ TEST/ RECORD**
Subject Date of Birth: **07/21/2000**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	10:56		
Internal Standard	---	--:--		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Ruth Cramer

Printed Name Ruth Cramer

Date 10-19-2021 Location: City/State Tumwater, WA

Reprint

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0047
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 10/18/2021

Analysis Date: **10/19/2021**
Observation Period Began: **10:00**
Citation/Case Number: **TEST8367**
Operator Name: **CRAMER/ RUTH/ A**
Subject Name: **ROBINSON/ TEST/ RECORD**
Subject Date of Birth: **07/21/2000**
External Standard Lot: **1173080**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	10:56		
Internal Standard	---	--:--		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Ruth Cramer

Printed Name

Ruth Cramer

Date 10-19-21

Location: City/State

Tumwater, WA

#2 Active, Picked #4 ✓

Washington State Patrol
Supervisor Test

Test Date: 10/19/2021 11:48

Sequential Test #: 1137

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARJN-0047

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:48
Blank Test	0.000	11:48
External Standard IR	0.079	11:48
External Standard EC	0.076	11:48
Blank Test	0.000	11:49
Diagnostic	OK	11:49

Operator: Ruth Cramer

Signature: Ruth Cramer

Sig. Date: 10-19-21

#1 active, picked #2 ✓

Washington State Patrol
Supervisor Test

Test Date: 10/19/2021 11:51

Sequential Test #: 1138

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARJN-0047

External Standard Test Details

Function	Result	Time
	<u>g/210L</u>	<u>HH:MM</u>
Diagnostic	OK	11:51
Blank Test	0.000	11:51
External Standard IR	0.078	11:52
External Standard EC	0.074	11:52
Blank Test	0.000	11:52
Diagnostic	OK	11:53

Operator: Ruth Cramer

Signature: Ruth Cramer

Sig. Date: 10-19-2021

Washington State Patrol
External Standard Change

Test Date: 10-19-2021 *10-19-21* 11/07/2021 *Crumer* Sequential Test #: 1139
Location: WASHINGTON

Breath Test Instrument Information

Model Serial Number QAP Date
Alcotest 9510 ARJN-0047 10/18/2021

Drygas Cylinder External Standard Information

Lot Number Concentration Expiration Inlet
1173080 0.080 07/17/2022 CAL GAS INLET 2

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	01:01
External Standard IR	0.078	01:01
External Standard EC	0.075	01:01
Blank Test	0.000	01:03
External Standard IR	0.078	01:03
External Standard EC	0.075	01:03
Blank Test	0.000	01:04
External Standard IR	0.078	01:04
External Standard EC	0.075	01:04
Blank Test	0.000	01:04

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: RUTH CRAMER

Signature: *Ruth Crumer* Sig. Date: 11/07/2021

*date was still changed from
prior step. Date actually 10-19-21*

```

Error[124]MAIN-SYSTEM
HW ERROR CALL 121
rcv_timeout: 0018300
rcv_timeout: 0000001
rcv_timeout: 0000000
ack_received_u8 1
button 255
uart1_rcv_status 0
com_control_u8 2
byte 0 1
byte 1 67
byte 2 0
byte 3 0
byte 4 0
byte 5 101
byte 6 0
byte 7 25
byte 8 0
byte 9 0
byte 10 1
byte 11 0
byte 12 0
byte 13 0
byte 14 255
byte 15 2
byte 16 6
byte 17 0
byte 18 23
byte 19 7
byte 20 0
byte 21 0
byte 22 0
byte 23 3
byte 24 0
byte 25 0
byte 26 0
byte 27 117
byte 28 0
byte 29 255
byte 30 0
byte 31 204
byte 32 102
byte 33 160
byte 34 32
byte 35 63

```

Printed after
ARTN-0047
was polled

Crane
10-20-2021

ARKC-0022
Trooper Mike Qunell
Version 5.13, 1.0, 2.9

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation

Technician:

QUINNELL

Instrument Serial Number:

ARKC-0022

Date Testing Performed:

Draeger Alcotest 9510
Version info

Date: 28.09.2021
Time: 05:44

Serial: ARKC-0022

M16 Ver: 1.0/8322798
M16 Checksum: 0xF39C
BTL Ver: 1.5/8323536

WinCE Ver: 5.13/8322797
WinCE Checksum: 0x5E94
WinCE ImageVer: 1.8

Cfg Ver: 2.9/8322796
AP Ver: 2.9/8322796A
NAP Ver: 2.9/8322796NA
AP/NAP CRC: 0x3236/0xDA79

Drink. location: 0x6AAA
Lifecounter: 14064

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_130
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

9/28/21

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Observation times

Draeger Displayed Time	Entered Time	Result
07:36	07:36	16 MIN TIMER
07:37	05:00	TEST NOT CONTINUED; ONLY 5:37 TO 7:37 ALLOWED
07:39	09:00	TEST NOT CONTINUED; "
07:41	07:26	1 MINUTE TIMER
07:42	07:32	6 MINUTE TIMER
Comments		

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	EXPIRED CARD DID NOT CONT.
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Washington, Oregon, Idaho Licenses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ID LICENSE WON'T SCAN
Other Licenses & manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

Breath Test Scenarios

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 14, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 7, 2021	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKC-0022
 SOFTWARE VER.: 8322798 1.0
 CONFIG. VER.: 8322796 2.9
 TECHNICIAN: QUNELL/M
 TIME/DATE BEGAN: 05:52 09/28/2021

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202007A REF VALUE: 0.0806 SIM#: DR4990 THERM#: DR4990

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR3528</u>		<u>DR4969</u>		<u>DR4480</u>		<u>DR4935</u>	
Sim Thermometer #	<u>DR3528</u>		<u>DR4969</u>		<u>DR4480</u>		<u>DR4935</u>	
QAP Batch #	<u>202011B</u>		<u>202103C</u>		<u>202103B</u>		<u>202010C</u>	
Reference Value	<u>0.0407</u>		<u>0.0802</u>		<u>0.1503</u>		<u>0.2022</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.040</u>	<u>0.040</u>	<u>0.079</u>	<u>0.079</u>	<u>0.152</u>	<u>0.149</u>	<u>0.204</u>	<u>0.198</u>
2	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.148</u>	<u>0.203</u>	<u>0.198</u>
3	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.148</u>	<u>0.202</u>	<u>0.198</u>
4	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.148</u>	<u>0.203</u>	<u>0.198</u>
5	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.149</u>	<u>0.147</u>	<u>0.203</u>	<u>0.197</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0392</u>	<u>0.0400</u>	<u>0.0798</u>	<u>0.0798</u>	<u>0.1502</u>	<u>0.1480</u>	<u>0.2030</u>	<u>0.1978</u>
SD	<u>0.0004</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0011</u>	<u>0.0007</u>	<u>0.0007</u>	<u>0.0004</u>
Bias %	<u>-3.69</u>	<u>-1.72</u>	<u>-0.50</u>	<u>-0.50</u>	<u>-0.07</u>	<u>-1.53</u>	<u>0.40</u>	<u>-2.18</u>
CV %	<u>1.02</u>	<u>0.00</u>	<u>0.50</u>	<u>0.50</u>	<u>0.73</u>	<u>0.47</u>	<u>0.34</u>	<u>0.20</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1355740 EXP DATE: 07/28/2023
 INTERFERENCE TEST: YES BATCH#: 202007A SIM#: DR4990
 ACETONE LOT#: AH20180206 THERM#: DR4990

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060I

COMMENTS:

AS FOUND ESS RESULT:

IR: N/A EC: N/A

QUNELL/M
Technician Name

Signature

0720 9/28/21
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 12/31/2050

Analysis Date: **09/28/2021**
Observation Period Began: **07:00**
Citation/Case Number: **TEST**
Operator Name: **TEST/ T/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT1_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:13		
Internal Standard	VERIFIED	08:13		
Subject Sample 1			1.6	6.9
IR Result	0.000	08:14		
EC Result	0.000	08:14		
Blank Test	0.000	08:15		
External Standard IR	0.086	08:16		
External Standard EC	0.083	08:16		
Blank Test	0.000	08:17		
Subject Sample 2			1.6	6.1
IR Result	0.000	08:18		
EC Result	0.000	08:18		
Blank Test	0.000	08:18		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 12/31/2050

Analysis Date: **09/28/2021**
Observation Period Began: **08:00**
Citation/Case Number: **TEST**
Operator Name: **TEST/ TEST/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT1_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:21		
Internal Standard	VERIFIED	08:22		
Subject Sample 1			-----	-----
IR Result	-----	08:24		
EC Result	-----	08:24		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 12/31/2050

Analysis Date: **09/28/2021**
Observation Period Began: **08:00**
Citation/Case Number: **TEST**
Operator Name: **TEST/ TEST/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT1_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	08:26		
Internal Standard	---	--:--		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**Washington State Patrol
Supervisor Test**

Test Date: 09/28/2021 08:31 Sequential Test #: 189

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKC-0022

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	08:31
Blank Test	0.000	08:31
External Standard IR	0.086	08:31
External Standard EC	0.084	08:31
Blank Test	0.000	08:32
Diagnostic	OK	08:33

Operator: _____

Signature: _____ Sig. Date: _____

**Washington State Patrol
Supervisor Test**

Test Date: 09/28/2021 08:37 Sequential Test #: 190

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKC-0022

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	08:37
Blank Test	0.000	08:37
External Standard IR	0.080	08:37
External Standard EC	0.078	08:37
Blank Test	0.000	08:38
Diagnostic	OK	08:38

Operator: _____

Signature: _____ Sig. Date: _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.0
CONFIGURATION VERSION 8322796 2.9
DATE OF LAST QAP: 12/31/2050

Analysis Date: **09/28/2021**
Observation Period Began: **07:00**
Citation/Case Number: **TEST**
Operator Name: **TEST/ T/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT1_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:13		
Internal Standard	VERIFIED	08:13		
Subject Sample 1			1.6	6.9
IR Result	0.000	08:14		
EC Result	0.000	08:14		
Blank Test	0.000	08:15		
External Standard IR	0.086	08:16		
External Standard EC	0.083	08:16		
Blank Test	0.000	08:17		
Subject Sample 2			1.6	6.1
IR Result	0.000	08:18		
EC Result	0.000	08:18		
Blank Test	0.000	08:18		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**Washington State Patrol
External Standard Change**

Test Date: 11/07/2021 Sequential Test #: 192
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKC-0022</u>	<u>12/31/2050</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>12345</u>	<u>0.080</u>	<u>12/31/2029</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	01:10
External Standard IR	0.086	01:10
External Standard EC	0.083	01:10
Blank Test	0.000	01:11
External Standard IR	0.085	01:11
External Standard EC	0.083	01:11
Blank Test	0.000	01:13
External Standard IR	0.085	01:13
External Standard EC	0.083	01:13
Blank Test	0.000	01:13

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: MICHAEL QUNELL

Signature: _____ Sig. Date: 11/07/2021

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.0
- CONFIG: 8322796 VERSION 2.9

Software Verification Documentation Supplemental

Technician: *M. GUNELL*

Instrument Serial Number: *ARKC-0022*

Date Testing Performed: *11/10/21*

Perform at least three breath test sequences, varying observation times:

1. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 119 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
2. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 120 minutes** prior to the time displayed on the Draeger clock. The instrument should allow the testing sequence to continue.
3. When the instrument is "READY" to begin the testing sequence, enter a time **exactly 121 minutes** prior to the time displayed on the Draeger clock. The instrument should not continue with the testing sequence.

Observation times

Draeger Displayed Time	Entered Time	Result
<i>06:32</i>	<i>04:33</i>	<i>TEST CONTINUED</i>
<i>06:33</i>	<i>04:33</i>	<i>TEST CONTINUED</i>
<i>06:34</i>	<i>04:33</i>	<i>TEST STOPPED. "OBS. START TIME</i>
		<i>IS VALID BETWEEN 04:34 AND 06:34"</i>
<i>06:36</i>	<i>06:20</i>	<i>TEST CONTINUED</i>
Comments		

Software Verification Documentation Supplemental #2

Technician: Trooper Mike Qunell

Instrument Serial Number: ARKC-0071

(current software/ WinCE 8322797 version 5.11, M16 8322798 version 0.9, Config 8322796 version 2.7):

Instrument Serial Number: ARKC-0022

(new software/ WinCE 8322797 version 5.13, M16 8322798 version 1.0, Config 8322796 version 2.9):

Date(s) Testing Performed: 2/24/2022 and 3/14/2022

On each instrument, connect a dry gas canister to the instrument with a concentration outside of the external standard range (0.072 to 0.088 inclusive).

In Evidential mode, perform the following:

1. When the instrument is ready, provide an adequate first breath sample.
2. Wait for the Cal Standard Fail status message to appear.
3. Let the instrument continue
4. Record the results

Restart the sequence

5. When the instrument is ready, provide an adequate first breath sample.
6. Wait for the Cal Standard Fail status message to appear.
7. Blow into or inhale from the breath hose, or in case of purging block the breath hose
8. Record the results

In Training mode, perform the following:

1. When the instrument is ready, provide an adequate first breath sample.
2. Wait for the Cal Standard Fail status message to appear.
3. Let the instrument continue
4. Place the instrument back into Evidential Mode
5. Record the results

Restart the sequence

6. When the instrument is ready, provide an adequate first breath sample.
7. Wait for the Cal Standard Fail status message to appear.
8. Blow into or inhale from the breath hose, or in case of purging block the breath hose
9. Place the instrument back into Evidential Mode
10. Record the results

Expected Results

Evidential Mode:

Current Software:

- When allowed to continue following a “Cal Standard Fail” message, the instrument places itself out of service.
- **YES**
- When a second status message is generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”) after the “Cal Standard Fail” status code, the instrument does not place itself out of service.
- **Blowing Not Allowed- Remained In Service**

New Software:

- When allowed to continue following a “Cal Standard Fail” message, the instrument places itself out of service.
- **YES**
- When a second status message is generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”) after the “Cal Standard Fail” status code, the instrument does place itself out of service.
- **Blowing Not Allowed- Out of Service**

Training Mode:

Current Software:

- When allowed to continue subsequent to a “Cal Standard Fail” message, the instrument remains in service while in Training Mode. When the instrument is placed back into Evidential Mode, the instrument does place itself out of service.
- **YES**
- When a second status message was generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”), the instrument does not place itself out of service when put back into Evidential Mode.
- **Blowing Not Allowed- Remained In Service**
- **Inhalation Detected- Out of Service**

New Software:

- When allowed to continue subsequent to a “Cal Standard Fail” message, the instrument remains in service while in Training Mode but does put itself out of service when placed back into Evidential Mode.
- **YES**
- When a second status message is generated (“Blowing Not Allowed,” “Inhalation Detected,” “Check Airway”), the instrument remains in service while in Training Mode but does put itself out of service when placed back into Evidential Mode.
- **Blowing Not Allowed- Out of Service**
- **Inhalation Detected- Out of Service**

Technician Comments

Evidential mode:

First, using an instrument with current software I tried blocking the air while purging after the ES analysis and was not able to get any result other than it putting itself out of service. Then, using the same instrument with current software, after the ES analysis and purge it stated calibration fail. It then purged again. Just as it went back to the Ready screen I blew into it. It then showed Blowing Not Allowed and did another purge. After this it went to the Ready screen and remained in service.

I next moved to an instrument with the new software installed. I repeated the above procedure again attempting to blow as it started to go to the Ready screen. It showed Blowing Not Allowed, purged, then put itself out of service.

The test was repeated with the same result the second time on each instrument.

The tests were done using an ES of approximately .095.

Training mode:

When allowed to continue, both instruments had the same result. There was a Cal Fail following the External Standard with the instrument in Training Mode. It went to the Ready screen. After Training Mode was turned off the instrument placed itself out of service.

Both instruments had the same result. There was a Cal Fail following the External Standard with the instrument in Training Mode. The hole was then covered during the attempted purge following the Cal Fail notification. The instrument went to the Ready screen. After Training Mode was turned off the instrument placed itself out of service. I was unable, however, to obtain a "Check Airway" status message.

I did see a difference between the two instruments when I got a Blowing Not Allowed message while in Training Mode. The instrument with the current software stayed In Service following the Blowing Not Allowed that was done after the calibration fail. It remained In Service even when instrument was taken out of Training Mode.

The one with the new software, also in Training Mode, remained in service after the Blowing Not Allowed following the Cal Fail. The difference was that it did go out of service when Training Mode was turned off.

I tested each instrument in Training Mode with an Inhalation Detection following a Cal Fail. This time both instruments went out of service after Training Mode was turned off.

Software version 5.13, 1.1, 3.0

Software version 5.13, 1.1, 3.0

Prior to November 6, 2022, the Washington Administrative Code (WAC 448-16-060) indicated the mean of the four breath samples would be rounded to four decimal places when determining agreement of duplicate breath samples. The algorithm employed by the Draeger truncates the mean. The WSP IDS requested a change to the Draeger's algorithm to reconcile the two methods. Revised software (WinCE: 8322797 version 5.13 - M16: 8322798 version 1.1 - Config: 8322796 3.0) was made available on August 9, 2022.

This version of the software was never accepted, downloaded, viewed, installed, nor tested. The decision was made to revise the WAC to coincide with the algorithm employed by the Draeger software installed on evidential instruments currently in use in Washington. The change to the WAC was effective November 6, 2022. Draeger revised the software to revert the algorithm employed to verify agreement of duplicate breath samples back to the original method of truncating the mean and included a change to correct the handling of Status Code 3 (CAL GAS SUPPLY).

Dräger Safety AG & Co. KGaA, Revalstraße 1, 23560 Lübeck

To Whom It May Concern

Unser Zeichen

TAS-da

Tel.

+49 451 882-3527

Fax

E-Mail

stephan.david@draeger.com

July 27th, 2022

Dräger Alcotest 9510 Washington State

STATEMENT

Due to customer requirements we have implemented the following changes into the Alcotest 9510 used at Washington State Patrol:

1. Change of handling CAL GAS SUPPLY status code during a breath test sequence
(If the mentioned status code occurs during a breath test sequence the instrument will proceed to take itself out of service. No further breath test sequence can be started)
2. The mean of all four results ((IR1, EC1, IR2 and EC2)) will be calculated and rounded mathematical to four decimal places
(This mean will be used to calculate the upper (mean*1.1) and lower (mean*0.9) tolerance limit truncated to three digits following the decimal.)

The new version of the device is released in July 2022

	Current version	New version Part-#, /Version
WinCE application:	8322797 / V5.13	8322797 / V5.13
Measurement System M16 Firmware	8322798 / V1.0	8322798 / V 1.1
Configuration	8322796 / V2.9	8322796 / V 3.0

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Deutschland
Tel. +49 451 882-0
Fax +49 451 882-2080
info@draeger.com
www.draeger.com
UID-Nr. DE812128834
WEEE-Reg.-Nr. DE13636930

Bankverbindungen:
Commerzbank AG, Lübeck
IBAN DE29 2304 0022 0014 6803 00
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BIC DEUTDEHH222

Sitz der Gesellschaft: Lübeck
Handelsregister:
Amtsgericht Lübeck HRB 4097 HL
Komplementär:
Dräger Safety Verwaltungs AG
Sitz der Gesellschaft: Lübeck
Handelsregister:
Amtsgericht Lübeck HRB 5036 HL

Vorsitzender des Aufsichtsrats der
Dräger Safety AG & Co. KGaA und
Dräger Safety Verwaltungs AG:
Professor Dr. Nikolaus Schweickart

Vorstand:
Stefan Dräger (Vorsitzender)
Thomas Engler
Rainer Klug
Gert-Hartwig Lescow
Dr. Reiner Piske
Anton Schrofner

The changes in this firmware and configuration does not affect metrological functions, algorithms or other settings of the updated device. The WinCE application remain unchanged. All device specific data will remain in the device.

Yours sincerely

A handwritten signature in blue ink, appearing to read "S. David", is positioned above the printed name.

Stephan David
Approval Engineer Alcotest & Drugtest
Research & Development

Software version 5.13, 1.2, 3.0

Software version 5.13, 1.2, 3.0

Requested modifications:

1. Revert the algorithm employed to verify agreement of duplicate breath samples back to the original method of truncating the mean.
2. Correct the handling of Status Code 3 (CAL GAS SUPPLY)

The revised software package delivered on September 22, 2022 contained the following components:

- WinCE: 8322797 version 5.13
- M16: 8322798 version 1.2
- Config: 8322796 3.0

Six technicians were provided with instructions regarding the installation and testing of the software. Worksheets were provided to record the results.

BAC Technician	Draeger Instrument
Trooper Darren Wilkes	ARAF-0010
Trooper Justin Rumsey	ARAH-0094
Trooper Chris Hooper	ARKA-0041
Forensic Scientist Shelley Benante	ARKB-0012
Trooper Mike Qunell	ARKC-0022
Trooper Kyle Dahl	ARKD-0019

During testing of functionality request two listed below, the instruments automatically generated printed documents for CAL GAS SUPPLY Status Code 3, EXT. STANDARD FAILED Status Code 21, and CHECK AIRWAY Status Code 40. In addition, with the addition of the gender X option, the gender was by default “Male.” The software was therefore rejected. Draeger was notified and revised software was requested to address the unexpected printing and default settings for both gender and ethnicity selections.

Dräger Safety AG & Co. KGaA, Revalstraße 1, 23560 Lübeck

To Whom It May Concern

Unser Zeichen

TAS-da

Tel.

+49 451 882-3527

Fax

E-Mail

stephan.david@draeger.com

September 22th, 2022

Dräger Alcotest 9510 Washington State

STATEMENT

Due to customer requirements we have implemented the following changes into the Alcotest 9510 used at Washington State Patrol:

1. The mean of all four results ((IR1, EC1, IR2 and EC2)) will be calculated and truncated mathematical to four decimal places
(This mean will be used to calculate the upper (mean*1.1) and lower (mean*0.9) tolerance limit truncated to three digits following the decimal.)

The new version of the device is released in September 2022

	Current version	New version Part-#; /Version
WinCE application:	8322797 / V5.13	8322797 / V5.13
Measurement System M16 Firmware	8322798 / V1.1	8322798 / V 1.2
Configuration	8322796 / V3.0	8322796 / V 3.0

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Deutschland
Tel. +49 451 882-0
Fax +49 451 882-2080
info@draeger.com
www.draeger.com
UID-Nr. DE812128834
WEEE-Reg.-Nr. DE13636930

Bankverbindungen:
Commerzbank AG, Lübeck
IBAN DE29 2304 0022 0014 6803 00
BIC COBADEFF230
Deutsche Bank AG, Lübeck
IBAN DE75 2307 0710 0030 2109 00
BIC DEUTDEHH222

Sitz der Gesellschaft: Lübeck
Handelsregister:
Amtsgericht Lübeck HRB 4097 HL
Komplementär:
Dräger Safety Verwaltungs AG
Sitz der Gesellschaft: Lübeck
Handelsregister:
Amtsgericht Lübeck HRB 5036 HL

Vorsitzender des Aufsichtsrats der
Dräger Safety AG & Co. KGaA und
Dräger Safety Verwaltungs AG:
Professor Dr. Nikolaus Schweickart

Vorstand:
Stefan Dräger (Vorsitzender)
Thomas Engler
Rainer Klug
Gert-Hartwig Lescow
Dr. Reiner Piske
Anton Schrofner

Seite 2 / 2

The changes in this firmware and configuration does not affect metrological functions, algorithms or other settings of the updated device. The WinCE application remain unchanged. All device specific data will remain in the device.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'S. David', is positioned above the printed name.

Stephan David

Approval Engineer Alcotest & Drugtest
Research & Development

Alcotest 9510 Functionality Change Request Quotation

Washington State Patrol

June 15, 2022

Quotation Number: SR20220615T

Functionality Change Specifications

Item	Specification/Requirement
1	<p>Functionality change requests to be branched from/based on following software versions:</p> <p>WinCE p/n 8322797, v5.13, 0x5E94</p> <p>M16 p/n 8322798, v1.0, 0xF39C</p> <p>Config p/n 8322796A/NA, v2.9, 0x3236/0xDA79</p> <p>Bootloader p/n 8323536, v1.5</p> <p>Image p/n 8322915, v1.8</p>
2	<p>Modify the functionality so that when a CAL GAS SUPPLY status code is generated during a breath test sequence, the instrument proceeds to take itself out of service.</p>
3a	<p>Washington Administrative Code specifies how to determine agreement between valid breath samples. The relevant section is excerpted verbatim here: WAC 448-16-060 Determining agreement of duplicate breath samples. Pursuant to RCW 46.61.506 the following method is approved for determining whether two breath samples agree to within plus or minus ten percent of their mean.</p> <p>(1) The breath test results will be reported, truncated to three decimal places.</p> <p>(2) For the DataMaster instruments, the mean of the two breath test results will be calculated and rounded to four decimal places. For the Dräger instrument, the mean of all four results will be calculated and rounded to four decimal places.</p> <p>(3) The lower acceptable limit will be determined by multiplying the above mean by 0.9, and truncating to three decimal places.</p> <p>(4) The upper acceptable limit will be determined by multiplying the mean by 1.1 and truncating to three decimal places.</p> <p>(5) If the individual results fall within and inclusive of the upper and lower acceptable limits, the two breath samples are valid.</p>
3b	<p>Modify instrument functionality for the acceptance criteria between two valid breath samples per WAC description in item 3a. If all four of the test results (IR and EC from each of the two breath samples) are not greater than or equal to 0.010 g/210L, the samples are assumed to have acceptable tolerance agreement. If all four of the test results (IR and EC from each of the two breath samples) are greater than or equal to 0.010 g/210L, determine tolerance as follows.:</p>
3c	<ul style="list-style-type: none"> the mean of all four results will be calculated and rounded to a resolution of

Draeger, Inc.
 7256 S Sam Houston Pkwy West
 Suite 100
 Houston TX 77085
 www.draeger.com

	four digits following the decimal.
3d	<ul style="list-style-type: none"> the lower acceptable limit will be determined by multiplying the mean (per Item 3c above) by 0.9, and <u>truncating</u> to a resolution of three digits following the decimal.
3e	<ul style="list-style-type: none"> the upper acceptable limit will be determined by multiplying the mean (per Item 3c above) by 1.1, and <u>truncating</u> to a resolution of three digits following the decimal.
3f	<ul style="list-style-type: none"> If all of the individual results are within the window of upper and lower acceptable limits, <u>inclusive</u>, the two breath samples have been determined to have acceptable tolerance agreement. Else, the test sequence is aborted, status code 10 is generated for no tolerance agreement, and a breath test document will not be automatically generated..

Functionality Change Request Quotation Price

Per Functionality Change Specifications above

Waived

Functionality Change Procedure

- Only modifications stated in the specifications section above are included.
- If the Washington State Patrol desires changes to the specifications of the functionality change, request a new quotation with a new quotation number identifier.
- Purchase orders for the functionality change must reference a specific quotation number identifier, which indicates Washington State Patrol approval for Draeger, Inc. to proceed with the associated Functionality Change Specifications as the scope of work. In the event multiple quotations exist, the version specified on the purchase order prevails as the scope of work.
- Draeger, Inc. will not modify functionality outside the scope of the specifications unless approved in writing by the Washington State Patrol.

We look forward to this opportunity to serve and support you.

Sincerely,

Sharon Roach, Regional Sales Manager

Procedure document

Version 5.13, 1.2, 3.0

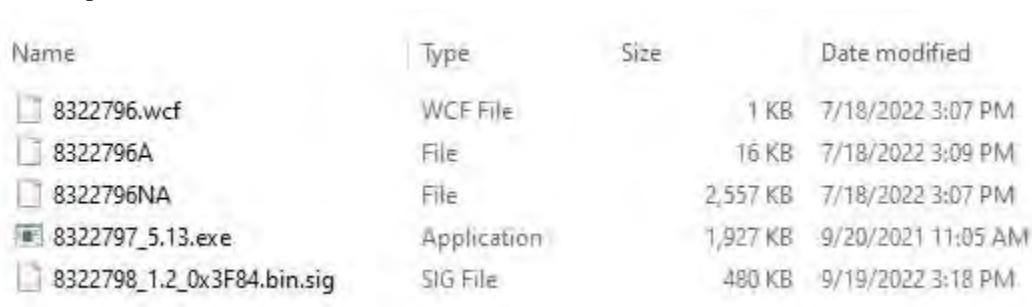
DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

A QAP will be performed on an instrument loaded with the new software. Verify software versions by using the internal printer and attaching the results on page one of the Software Verification Documentation.

Steps:

1. Complete an “AS FOUND” Test, if applicable
2. If applicable, poll the instrument, upload data, and confirm data is not corrupted
3. Copy all software files to a Draeger Key (do not delete any files). **Your computer must be “Bit Locker Exempt.”**



Name	Type	Size	Date modified
8322796.wcf	WCF File	1 KB	7/18/2022 3:07 PM
8322796A	File	16 KB	7/18/2022 3:09 PM
8322796NA	File	2,557 KB	7/18/2022 3:07 PM
8322797_5.13.exe	Application	1,927 KB	9/20/2021 11:05 AM
8322798_1.2_0x3F84.bin.sig	SIG File	480 KB	9/19/2022 3:18 PM

4. Install the software
 - a. Insert USB into the Draeger you have chosen for the validation
 - i. Menu
 1. Maintenance
 - a. Update WinCE Application 8322797 version 5.13
 - b. Run
 - ii. Menu
 1. Maintenance
 - a. Update Measurement System Firmware 8322798 version 1.2
 - b. Run
 - iii. Menu
 1. Maintenance
 - a. Update Configuration Files 8322796 version 3.0
 - b. Run
 - b. If “Load Firmware/”Wrong File” appears, Continue process
 - c. If “Invalid Digital Signature” appears
 - i. Maintenance
 1. Event Logger
 - a. Remove
 - i. Confirm Warnings
 5. Perform a complete QAP (following the procedure in the current 2020 Technical Manual up to and including section 3.3.8 QAP Printout).

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

6. Perform several breath test sequences, varying entry choices
 - a. **Observation time**
 - i. When the instrument is “READY” to begin the testing sequence, **enter the time displayed** on the Draeger clock. The instrument should begin a countdown timer of 16 minutes.
 - ii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 15 minutes** prior to the time displayed on the Draeger clock. The instrument should begin a countdown timer of one minute.
 - iii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 1 minute** prior to the time displayed on the Draeger clock. The instrument should begin a countdown timer of 15 minutes.
 - iv. When the instrument is “READY” to begin the testing sequence, enter a time **exactly one minute later than** the time displayed on the Draeger clock. The instrument should **not** continue with the testing sequence.
 - v. When the instrument is “READY” to begin the testing sequence, enter a time **later than** the time displayed on the Draeger clock, example enter 2000 if the actual time is 0800 hours. The instrument should **not** continue with the testing sequence.
 - vi. When the instrument is “READY” to begin the testing sequence, enter a time **more than 120 minutes** prior to the time displayed on the Draeger clock, example enter 0800 if the actual time is 2000 hours. The instrument should **not** continue with the testing sequence.
 - vii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 120 minutes prior** to the time displayed on the Draeger clock, example enter 0800 if the actual time is 1000 hours. The instrument should continue with the testing sequence.
 - viii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 121 minutes prior** to the time displayed on the Draeger clock, example enter 0759 if the actual time is 1000 hours. The instrument should **not** continue with the testing sequence.
 - ix. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 119 minutes prior** to the time displayed on the Draeger clock, example enter 0801 if the actual time is 1000 hours. The instrument should continue with the testing sequence.
 - x. Summary Screen – verify time displayed matches time entered (continue to “b.”)
 - b. **Operator Observed Subject Entire Time** - Enter No and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - c. **Subject Smoke, Vomit, Put Anything in Mouth** - Enter Yes and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - d. **Citation/Case Number** – Using a combination of alpha and numeric characters, enter the number and press Next.
 - e. **County of Arrest** - Select the county by pressing the selection box and choosing the correct county and then press Next. Verify all counties are present (see page 4).
 - f. **Crime Arrested For** - Select the offense from the drop-down menu. Verify all choices are present.
 - g. **Collision Involved** - Select Yes or No and then press Next.
 - h. **Subject drinking at specific drinking establishment**
 - i. Select No – verify drop-down menu of other options will appear.
 - ii. Select Yes - enter the name and location of the establishment in the fields to run a search.
 - i. **PBT Given**
 - i. Select No then on Summary screen, tap twice on “PBT Given” to return to entry screen
 - ii. Change selection to Yes - enter a PBT time.
 - j. **Summary Screen** – verify information displayed matches information entered
 - k. **Scan Operator Card**
 - i. Enter No enter information manually
 - ii. Enter Yes, scan card and verify information
 - l. **Summary Screen** – verify information displayed matches information entered

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

- m. **Subject Ethnic Group** - Select the subject's ethnicity from the drop-down menu. Verify all choices are present.
 - n. **Subject Driver License State**
 - i. Select a state for which you have a license.
 - 1. Select "scan."
 - 2. Verify information is correctly recorded and can be modified/corrected. Verify Gender includes a third gender option for non-binary displayed as "X."
 - ii. Select any state – Verify option to enter information manually
 - 1. Enter information manually
 - 2. Verify Gender includes a third gender option for non-binary displayed as "X."
 - o. **Summary Screen** – verify information displayed matches information entered, specifically the gender option
 - p. **Provide a complete breath test**
 - i. Stop prior to sample acceptance, take a breath, then continue
 - q. **Printout** – verify the printout accurately reflects data entry, requested spacing and Penalty of Perjury Statement verbiage.
7. Set up the instrument for a **second breath test**
- a. Allow two minutes to pass – Verify "Refusal" and "Incomplete" are displayed.
 - i. Select "Incomplete"
 - ii. Verify an "Incomplete" breath test document is produced
8. Set up the instrument for a **third breath test**
- a. After all data is entered and breath test sequence has begun, press "Stop" – verify "Refusal," "Incomplete," and "Continue" are displayed.
 - i. Select "Continue." Verify instrument returns to "PLEASE BLOW" screen. Continue.
 - ii. Select "Stop" then "Refusal." Verify a "Refusal" breath test document is produced
9. **Identify active cylinder.** Set up to run a Supervisor Test and select the non-active cylinder. Run a supervisory test to determine the selected cylinder is accessed during the Supervisor Test. Change the active cylinder and repeat.
- 10. Reprint function**
- a. Select a breath test to reprint (refusal, incomplete, or complete). Verify information is displayed on the "Reprint screen" after selecting the record to be reprinted. Reprint selected document.
 - b. Verify the following are listed as database reprint options:
 - i. Evidential Subject Test
 - ii. Training Subject Test
 - iii. External Standard Change
 - iv. Supervisor Test
 - v. ABA
 - vi. Special ABA
 - vii. QAP Printout
 - c. Verify the following are not listed as database reprint options:
 - i. Enable/Disable
 - ii. QAP Set Cert
 - iii. QAP calibration
 - iv. QAP Linearity
 - v. QAP Mouth Alcohol
 - vi. QAP Interference
 - vii. QAP Breath Test

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

11. Verify appropriate **automatic time adjustments**
 - a. Set date and time to **March 12, 2023**, 0158 hours (you may need to do this more than once).
Verify time changes from 0159 hours to 0300 hours.
 - b. Set date and time to **November 06, 2022**, 0158 hours (you may need to do this more than once).
Verify time changes from 0159 hours to 0100 hours.
12. Perform a **cylinder change** using a Gas Concentration of 0.080
13. Verify the **conditional disabling algorithm** will respond appropriately (i.e. the instrument will put itself out of service) after a CAL. STANDARD FAILED code message is recorded followed by a BLOWING NOT ALLOWED, INHALATION DETECTED, or CHECK AIRWAY status code message is recorded when in Evidential Mode.

Connect a dry gas canister to the instrument with a concentration outside of the acceptable external standard range (0.072 to 0.088 inclusive).

- A. In **Evidential Mode**, perform the following:
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear.
 3. Allow the instrument to continue
 4. The instrument should disable itself
- B. In **Evidential Mode**, restart the sequence
 5. When the instrument is ready, provide an adequate first breath sample.
 6. Wait for the CAL. STANDARD FAILED status message to appear.
 7. Blow into or inhale from the breath hose, or in case of purging block the breath hose
BLOWING NOT ALLOWED, INHALATION DETECTED, or CHECK AIRWAY
status code message should appear
 8. The instrument should disable itself
- C. In **Training Mode**, perform the following:
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear.
 3. Allow the instrument to continue
 4. The instrument should remain in Training Mode and return to the READY screen
 5. Place the instrument back into Evidential Mode
 6. The instrument should disable itself
- D. In **Training Mode**, restart the sequence
 7. When the instrument is ready, provide an adequate first breath sample.
 8. Wait for the CAL. STANDARD FAILED status message to appear.
 9. Blow into or inhale from the breath hose, or in case of purging block the breath hose
BLOWING NOT ALLOWED, INHALATION DETECTED, or CHECK AIRWAY
status code message should appear
 10. The instrument should remain in Training Mode and return to the READY screen
 11. Place the instrument back into Evidential Mode
 12. The instrument should disable itself

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

14. Verify the **conditional disabling algorithm** will respond appropriately (i.e. the instrument will put itself out of service) after a CAL GAS SUPPLY code message is recorded.
 - a. Start the breath test sequence
 - b. Allow the instrument to proceed beyond the Diagnostic Checks, then **remove** the external standard canister(s)
 - c. When the instrument is ready, provide an adequate first breath sample.
 - d. Allow the instrument to continue
 - e. When checking the external standard, the instrument should indicate a CAL GAS SUPPLY status code
 - f. The instrument should disable itself
15. Verify **polling data** reflects entered data (scanned and manual entries; gender selection; etc.).
16. **Sign and date all documents.**

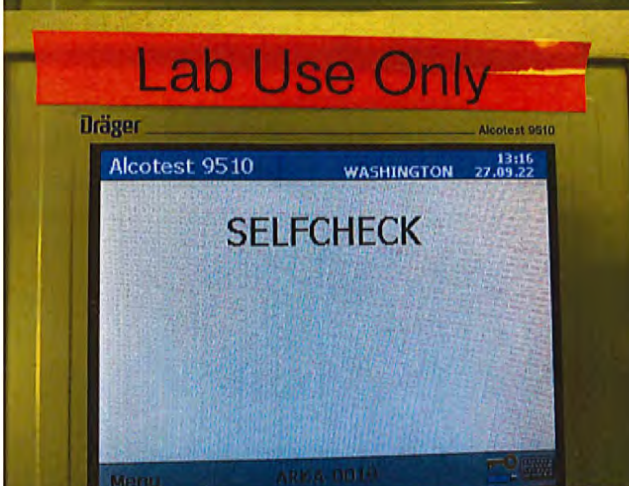
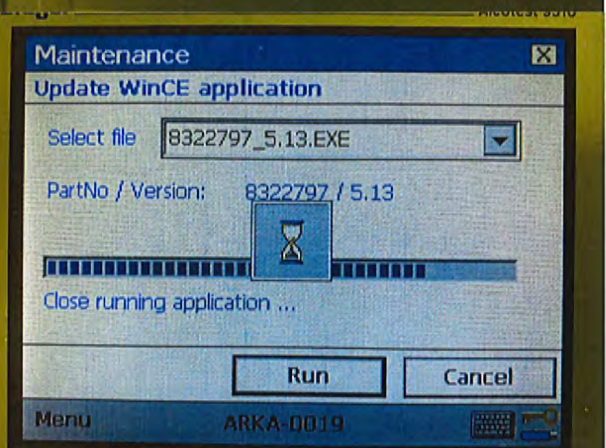
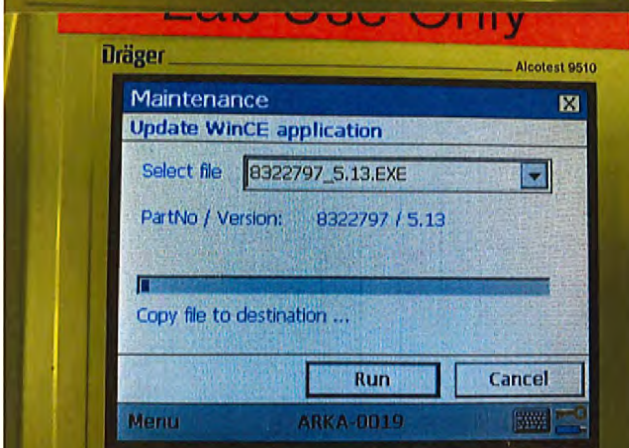
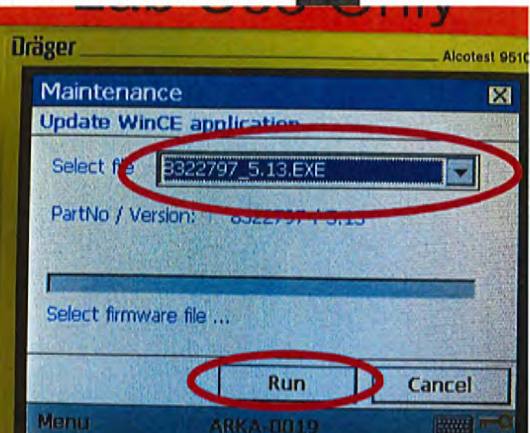
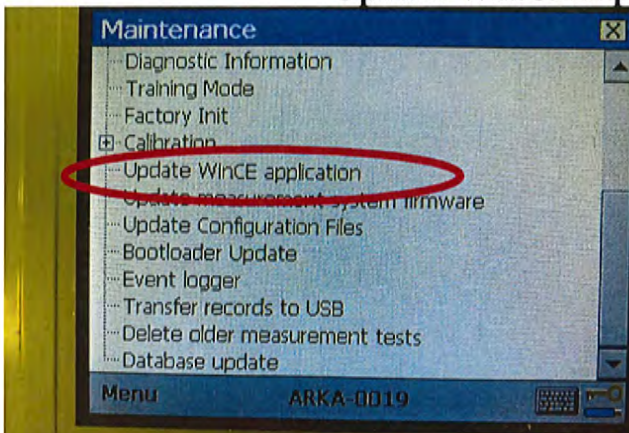
DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

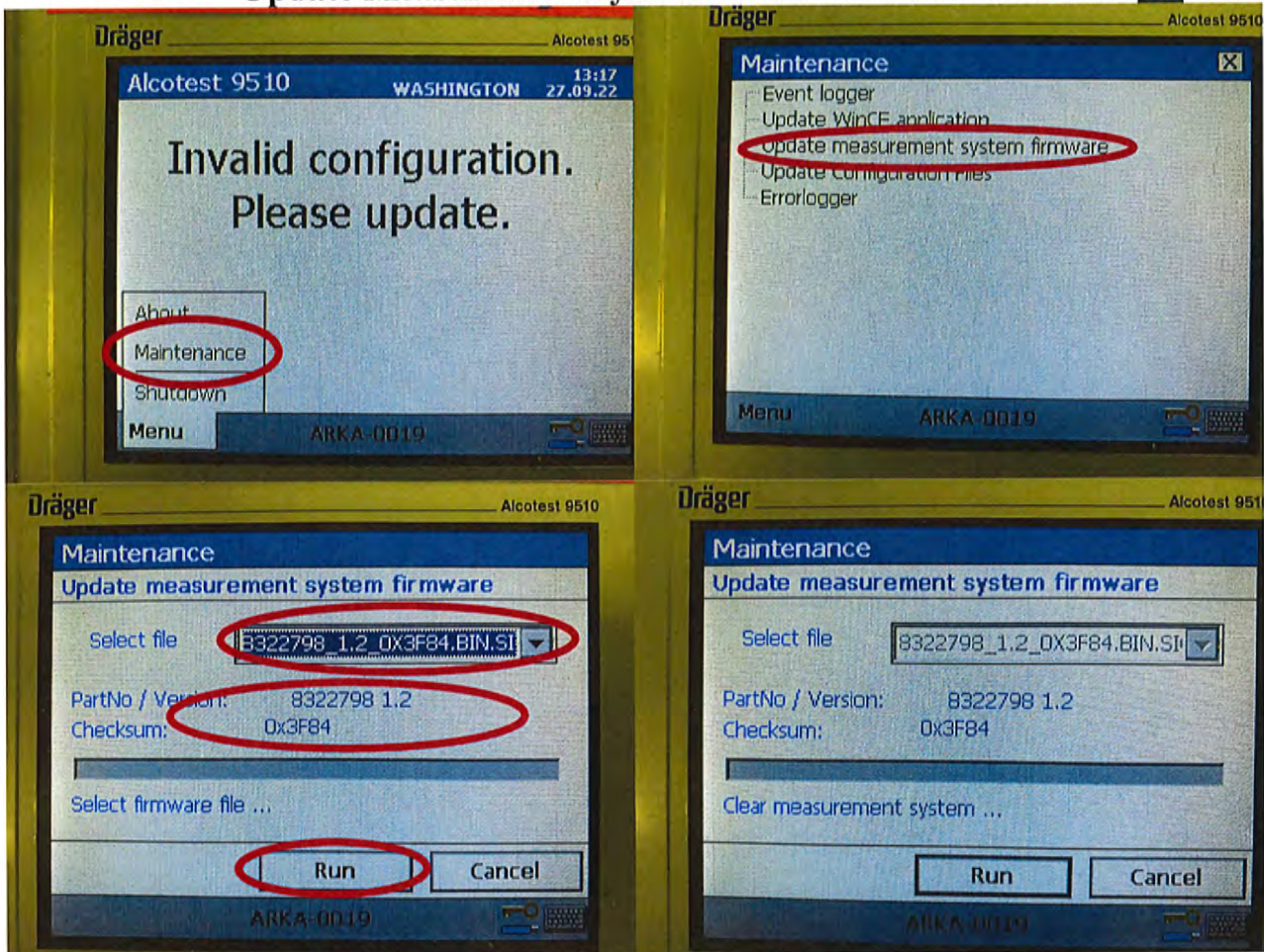
DROP-DOWN LISTS

COUNTY OF ARREST	CRIME ARRESTED FOR	DRINKING LOCATION	ETHNIC GROUP
Adams	DUI	Refused	White
Asotin	Physical control	Refuses to give info	Black
Benton	0.02 Minor law	Unknown	Asian
Chelan	Commercial drivers lic.	Banquet/formal party	East Indian
Clallam	Officer self test	Club-Elks,Moose,etc	Native American
Clark	Administrative Procedure	Comm non pass	Hispanic
Columbia	Other	Dining establishment	Pacific Islander
Cowlitz	Assault	Event-sprtnng,cncrt,etc.	Other
Douglas	Domestic Violence	Other	
Ferry	Boating under the Influence	Pass/comm. conv	
Franklin	Homicide by Watercraft	Private conveyance	
Garfield	Assault by Watercraft	Private home	
Grant		Public bar/tavern	
Grays Harbor		Drinking in Canada	
Island		Drinking in Idaho	
Jefferson		Drinking in Oregon	
King		Vessel,prvtly owned	
Kitsap		Vessel,commercial	
Kittitas			
Klickitat			
Lewis			
Lincoln			
Mason			
Okanogan			
Pacific			
Pend Oreille			
Pierce			
San Juan			
Skagit			
Skamania			
Snohomish			
Spokane			
Stevens			
Thurston			
Wahkiakum			
Walla Walla			
Whatcom			
Whitman			
Yakima			

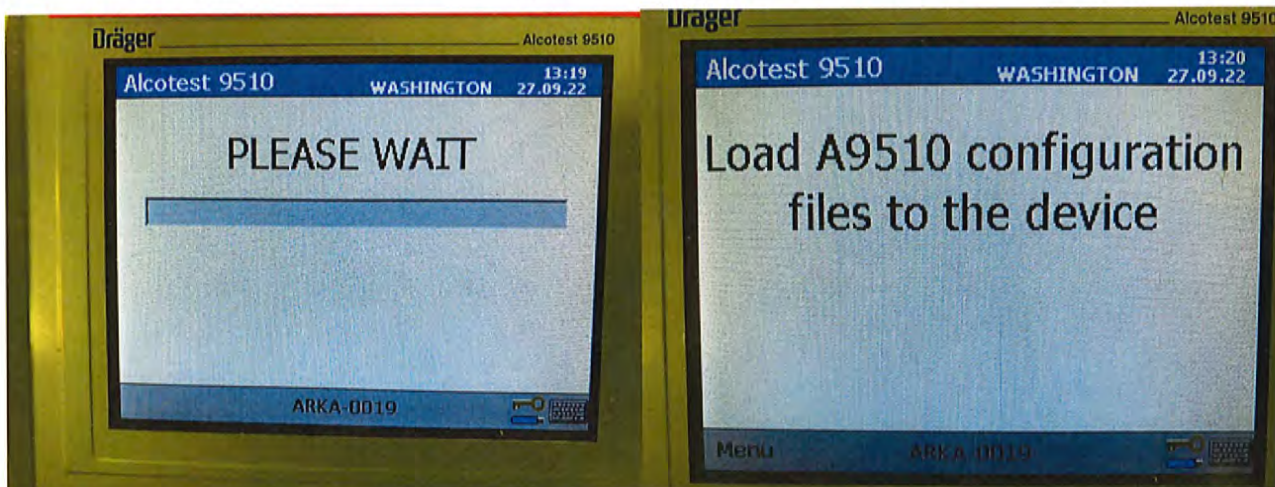
Update WinCE Application 8322797 version 5.13



Update Measurement System Firmware 8322798 version 1.2



A couple of intermediary screens will flash. One will say Update Complete but move on.



Update Configuration Files 8322796 version 3.0





Draeger Alcotest 9510 Version Info

Date: 27.09.2022
Time: 13:25

Serial: ARKA-0019

M16 Ver:1.2/8322798
M16 Checksum:0x3F84
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:3.0/8322796
AP Ver:3.0/8322796A
NAP Ver:3.0/8322796NA
AP/NAP CRC:0xF5EC/0xDA79

Drink location: 0x6AAA
Lifecounter: 41896

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
TextsExternalPrt_066
AccessRights_029

Subversion:
WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0002
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **09/27/2022**
Observation Period Began: **12:20**
Citation/Case Number: **TEST**
Operator Name: **H/ H/ -**
Subject Name: **H/ H/ H**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **12345**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:49		
Internal Standard	VERIFIED	12:50		
Subject Sample 1			-----	-----
IR Result	-----	12:51		
EC Result	-----	12:51		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Software Verification Documentation

Technician:

Instrument Serial Number:

Date(s) Testing Performed:

Affix the
initialed &
dated
active
software
versions
printout
here.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Observation times

	Draeger Displayed Time	Entered Time	Result
i.			
ii.			
iii.			
iv.			
v.			
vi.			
vii.			
viii.			
ix.			
x.			Summary time:
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

Technician worksheets

Version 5.13, 1.2, 3.0

ARAF-0010
Trooper Darren Wilkes
Version 5.13, 1.2, 3.0

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0



804

10-17-2022

Software Verification Documentation

Technician:

Instrument Serial Number:

Date(s) Testing Performed:

Draeger Alcotest 9510
Version info

Date: 17.10.2022
Time: 07:41

Serial: ARAF-0010

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
M16 Ver: 1.5/8323536

WinCE Ver: 5.13/8322797
WinCE Checksum: 0x5E94
WinCE ImageVer: 1.8

Cfg Ver: 3.0/8322796
AP Ver: 3.0/8322796A
NAP Ver: 3.0/8322796NA
AP/NAP CRC: 0xF5EC/0xDA

Drink location: 0x6AAA
Lifecounter: 1749

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
PrintsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:

WA



10-17-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

[Signature]

10-18-22

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	0950	0950	16 min clock
ii.	0952	0937	1 min clock
iii.	0954	0953	15 min clock
iv.	0955	0956	obs. start time is valid between 0755-0955
v.	0957	1600	" " " " " " 0757-0957
vi.	1000	0730	" " " " " " 0800-1000
vii.	1001	0801	PROCEED to next screen
viii.	1004	0803	obs start time is valid between 0804-1004
ix.	1006	0807	PROCEED to next screen
x.		VERIFIED 0807	Summary time: Allows to be saved
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ONLY SCANNED WA LICENSES *
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments *IMAGE quality so poor on (OR, ID + NY) would not scan.		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- MI6: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

David White
10-18-22

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Samuel White
10-18-22

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments Such a small window Doubt blowing not allowed, Inhalation Detected or check Airway would EVERY EVEN be Be Displayed.	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments Such a small window AS AN OPERATOR you would NEVER allow the subject to hold the breath tube + continue to perform those actions	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

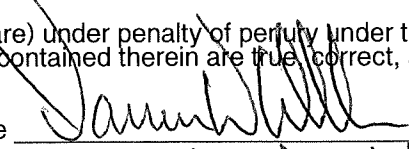
**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 0.9
CONFIGURATION VERSION 8322796 2.7
DATE OF LAST QAP: 03/23/2022

Analysis Date: **10/12/2022**
Observation Period Began: **14:15**
Citation/Case Number: **AS FOUND**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **AS/ FOUND/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:47		
Internal Standard	VERIFIED	14:47		
Subject Sample 1			2.7	10.5
IR Result	0.000	14:48		
EC Result	0.000	14:48		
Blank Test	0.000	14:49		
External Standard IR	0.078	14:49		
External Standard EC	0.084	14:49		
Blank Test	0.000	14:51		
Subject Sample 2			2.7	9.7
IR Result	0.000	14:51		
EC Result	0.000	14:51		
Blank Test	0.000	14:52		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I certify (or declare) under penalty of perjury under the laws of the state of Washington that the statements on this document and information contained therein are true, correct, and accurate. (RCW 9A.72.085.)

Officer Signature  Date 10/12/2022
Location Signed WSP Wenatchee TRAINER Chelan

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAF-0010
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.0
 TECHNICIAN: WILKES/D
 TIME/DATE BEGAN: 07:46 10/17/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4516 THERM#: DR4516

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4539</u>		<u>DR4472</u>		<u>DR5936</u>		<u>DR4484</u>	
Sim Thermometer #	<u>DR4539</u>		<u>DR4472</u>		<u>DR5936</u>		<u>DR4484</u>	
QAP Batch #	<u>202111A</u>		<u>202110C</u>		<u>202111F</u>		<u>202106D</u>	
Reference Value	<u>0.0405</u>		<u>0.0806</u>		<u>0.1506</u>		<u>0.2006</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>	<u>0.149</u>	<u>0.145</u>	<u>0.200</u>	<u>0.194</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.201</u>	<u>0.195</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.195</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.195</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.195</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0800</u>	<u>0.0788</u>	<u>0.1490</u>	<u>0.1458</u>	<u>0.2002</u>	<u>0.1948</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0004</u>
Bias %	<u>-3.70</u>	<u>-3.70</u>	<u>-0.74</u>	<u>-2.23</u>	<u>-1.06</u>	<u>-3.19</u>	<u>-0.20</u>	<u>-2.89</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.51</u>	<u>0.00</u>	<u>0.27</u>	<u>0.20</u>	<u>0.21</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402246244 EXP DATE: 10/12/2024
 INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR4516
 ACETONE LOT#: TM20170323 THERM#: DR4516
 INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060G

COMMENTS:

AS FOUND ESS RESULT:

IR: .078EC: .084

WILKES/D
 Technician Name

Signature

Time/Date Procedure Completed

0900/10-17-2022

Breath test #1
#6Q

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/17/2022**
Observation Period Began: **10:45**
Citation/Case Number: **123456**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **MARNEY-SMITH/ TEST/ RECORD**
Subject Date of Birth: **03/01/1981**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:08		
Internal Standard	VERIFIED	11:08		
Subject Sample 1			2.5	9.5
IR Result	0.000	11:09		
EC Result	0.000	11:09		
Blank Test	0.000	11:10		
External Standard IR	0.079	11:11		
External Standard EC	0.077	11:11		
Blank Test	0.000	11:12		
Subject Sample 2			2.5	10.7
IR Result	0.000	11:13		
EC Result	0.000	11:13		
Blank Test	0.000	11:13		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Darren W. Wilkes

Printed Name DARREN W WILKES

Date 10-17-2022 Location: City/State Wenatchee / WA

#7
Breath Test #2

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/18/2022**
Observation Period Began: **09:20**
Citation/Case Number: **BREATH 2**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **HARRISON/ JOHN/ W**
Subject Date of Birth: **02/29/1960**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:43		
Internal Standard	VERIFIED	09:44		
Subject Sample 1			-----	-----
IR Result	-----	09:46		
EC Result	-----	09:46		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name DARREN W. WILKES

Date 10-18-2022

Location: City/State Wenatchee/WA

#8

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Breath test #3

Analysis Date: **10/18/2022**
Observation Period Began: **09:20**
Citation/Case Number: **BREATH 2**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **HARRISON/ JOHN/ W**
Subject Date of Birth: **02/29/1960**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:49		
Internal Standard	VERIFIED	09:49		
Subject Sample 1			-----	-----
IR Result	-----	09:50		
EC Result	-----	09:50		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date

Location: City/State

Washington State Patrol
Supervisor Test

Test Date: 10/18/2022 10:04 Sequential Test #: 585

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARAF-0010

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	10:04
Blank Test	0.000	10:04
External Standard IR	0.078	10:04
External Standard EC	0.076	10:04
Blank Test	0.000	10:05
Diagnostic	OK	10:06

Operator: DARREN W. WILKES

Signature: [Signature] Sig. Date: 10-18-22

Cylinder 2 Active
Cylinder 1 Supervisor Test

Washington State Patrol
Supervisor Test

Test Date: 10/18/2022 10:09

Sequential Test #: 586

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARAF-0010

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	10:09
Blank Test	0.000	10:09
External Standard IR	0.078	10:09
External Standard EC	0.076	10:09
Blank Test	0.000	10:09
Diagnostic	OK	10:10

Operator: Darren W. Walker

Signature: [Signature]

Sig. Date: 10-18-2022

Cylinder 1 Active
Cylinder 2 Supervisor Test

Report 410

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/17/2022**
Observation Period Began: **10:45**
Citation/Case Number: **123456**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **MARNEY-SMITH/ TEST/ RECORD**
Subject Date of Birth: **03/01/1981**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:08		
Internal Standard	VERIFIED	11:08		
Subject Sample 1			2.5	9.5
IR Result	0.000	11:09		
EC Result	0.000	11:09		
Blank Test	0.000	11:10		
External Standard IR	0.079	11:11		
External Standard EC	0.077	11:11		
Blank Test	0.000	11:12		
Subject Sample 2			2.5	10.7
IR Result	0.000	11:13		
EC Result	0.000	11:13		
Blank Test	0.000	11:13		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date 10-18-2022 Location: City/State

Washington State Patrol
External Standard Change

#12
cylinder
change

Test Date: 10/18/2022
Location: WASHINGTON

Sequential Test #: 587

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARAF-0010</u>	<u>10/17/2022</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1309737</u>	<u>0.080</u>	<u>04/08/2023</u>	<u>CAL GAS INLET 2</u>

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	10:32
External Standard IR	0.080	10:33
External Standard EC	0.078	10:33
Blank Test	0.000	10:34
External Standard IR	0.080	10:34
External Standard EC	0.077	10:34
Blank Test	0.000	10:35
External Standard IR	0.079	10:35
External Standard EC	0.078	10:35
Blank Test	0.000	10:36

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: DARREN WILKES

Signature:  Sig. Date: 10/18/2022

#13A

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/18/2022**
Observation Period Began: **10:15**
Citation/Case Number: **CAL STAND FAIL**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **HARRISON/ JOHN/ W**
Subject Date of Birth: **02/29/1960**
External Standard Lot: **1309737**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:42		
Internal Standard	VERIFIED	10:42		
Subject Sample 1			2.2	8.3
IR Result	0.000	10:43		
EC Result	0.000	10:43		
Blank Test	0.000	10:44		
External Standard IR	0.095	10:45		
External Standard EC	0.091	10:45		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date

Location: City/State

#136

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/18/2022**
Observation Period Began: **10:30**
Citation/Case Number: **BLOWING NOT ALL**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **ACOSTA/ TEST/ RECORD**
Subject Date of Birth: **01/14/1999**
External Standard Lot: **1309737**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:51		
Internal Standard	VERIFIED	10:52		
Subject Sample 1			2.3	9.8
IR Result	0.000	10:53		
EC Result	0.000	10:53		
Blank Test	0.000	10:53		
External Standard IR	0.096	10:54		
External Standard EC	0.091	10:54		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date 10/18/22 Location: City/State NewAachen WA

#13C

**WASHINGTON STATE PATROL
TRAINING SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/18/2022**
Observation Period Began: **10:40**
Citation/Case Number: **TRAINING MODE 1**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **1309737**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:03		
Internal Standard	VERIFIED	11:03		
Subject Sample 1			2.3	8.8
IR Result	0.000	11:04		
EC Result	0.000	11:04		
Blank Test	0.000	11:05		
External Standard IR	0.096	11:06		
External Standard EC	0.092	11:06		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date

Location: City/State

#130

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: 10/18/2022
Observation Period Began: 11:00
Citation/Case Number: TRAINING MODE2
Operator Name: WILKES/ DARREN/ W
Subject Name: SAMPLE/ JOHN/ A
Subject Date of Birth: 01/06/1958
External Standard Lot: 1309737

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:20		
Internal Standard	VERIFIED	11:20		
Subject Sample 1			2.1	7.7
IR Result	0.000	11:21		
EC Result	0.000	11:21		
Blank Test	0.000	11:22		
External Standard IR	0.096	11:22		
External Standard EC	0.092	11:22		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date 10/18/22

Location: City/State

#14

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/17/2022

Analysis Date: **10/18/2022**
Observation Period Began: **11:00**
Citation/Case Number: **GAS REMOVED**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **1309737**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:30		
Internal Standard	VERIFIED	11:30		
Subject Sample 1			2.2	10.7
IR Result	0.000	11:31		
EC Result	0.000	11:31		
Blank Test	0.000	11:32		
External Standard IR	-----	11:33		
External Standard EC	-----	11:33		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date 10/18/22

Location: City/State

Darren W. Wilkes
Wenatche / WA

ARAH-0094
Trooper Justin Rumsey
Version 5.13, 1.2, 3.0

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Software Verification Documentation

Technician: Justin Rumsey

Instrument Serial Number: ARAH-0094

Date(s) Testing Performed: 10-05-2022

Draeger Alcotest 9510
Version info

Date: 05.10.2022
Time: 08:49

Serial: ARAH-0094

M16 Ver:1.2/8322798
M16 Checksum:0x3F84
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:3.0/8322796
AP Ver:3.0/8322796A
NAP Ver:3.0/8322796NA
AP/NAP CRC:0xF5EC/0xDA79

Drink location: 0x6AAA
Lifecounter: 53218

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

10-05-22
AR

10-12-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	1015	1015	16 MIN COUNTDOWN
ii.	1016	1001	1 MIN COUNTDOWN
iii.	1017	1016	15 MIN COUNTDOWN
iv.	1019	1020	"OBSERVATION START TIME IS VALID BETWEEN 0819 and 1019
v.	1020	1100	"OBSERVATION START TIME IS VALID BETWEEN 0820 and 1020
vi.	1021	1300	"OBSERVATION START TIME IS VALID BETWEEN 0821 and 1021
vii.	1023	0823	13 MIN TESTING PROCESS
viii.	1024	0823	"OBSERVATION START TIME IS VALID BETWEEN 0824 and 1024
ix.	1025	0824	"OBSERVATION START TIME IS VALID BETWEEN 0825 and 1025
x.		1000	Summary time: 1000
Comments EVERYTHING WORKED AS EXPECTED			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

[Signature]
11-12-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function


Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	


10-12-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments ERROR WAS DETECTED BUT NOT DISPLAYED ON THE SCREEN PURGING SEQUENCE STOPPED AS SOON AS 7 BLOWED ON BLW INTO THE HOSE. DID DISPLAY BLOWING NOT ALLOWED	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments SAME AS ABOVE FOR INHALATION AND CHECK AIRWAY BUT DID DISPLAY BLOWING NOT ALLOWED	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments WHEN POLLING THE INSTRUMENT EXPERIENCED HW ERROR 121 AND WAS NOT ABLE TO POLL ONE OF THE RECORDS WITH THE INSTRUMENT SHOWING IT STILL HAS 1 RECORD BUT WHEN IT IS MANUALLY POWERED THERE WERE NO FILES LOADED TO THE UNIT (D RIVE).	

Other comments:

THE STATUS RECORD WAS FILE TYPE 18 WHICH IS "INFORMATIONAL"
MULTIPLE ATTEMPTS TO POLL THE INSTRUMENT WERE NOT
SUCCESSFUL. ALL TESTING RECORDS AND QA FILES WERE OBTAINED.
PREP OUT
FROM HARDWARE →
ERROR

```
Error[124]MAIN-SYSTEM
HW ERROR CALL 121
rcv_timeout: 0018300
rcv_timeout: 0000001
rcv_timeout: 0000000
ack_received_u8 1
button 255
uart1_rcv_status 0
com_control_u8 2
```

12-22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **12:00**
Citation/Case Number: **TEST**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **630251**

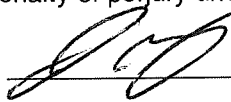
Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:50		
Internal Standard	VERIFIED	12:50		
Subject Sample 1			2.0	7.9
IR Result	0.000	12:51		
EC Result	0.000	12:51		
Blank Test	0.000	12:52		
External Standard IR	-----	12:53		
External Standard EC	-----	12:53		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature



Printed Name

Justin Rumsey

Date

10-05-22

Location: City/State

KARIMA, WA

**WASHINGTON STATE PATROL
TRAINING SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

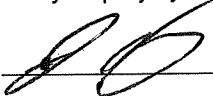
Analysis Date: **10/05/2022**
Observation Period Began: **12:00**
Citation/Case Number: **TEST**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **630251**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:40		
Internal Standard	VERIFIED	12:41		
Subject Sample 1			1.8	8.8
IR Result	0.000	12:41		
EC Result	0.000	12:41		
Blank Test	0.000	12:42		
External Standard IR	0.049	12:43		
External Standard EC	0.049	12:43		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 10-05-22 Location: City/State YAKIMA, WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARAH-0094
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 10/05/2022


Analysis Date: **10/05/2022**
 Observation Period Began: **12:00**
 Citation/Case Number: **TEST**
 Operator Name: **RUMSEY/ JUSTIN/ -**
 Subject Name: **AXTMAN/ JOHN/ -**
 Subject Date of Birth: **01/01/1950**
 External Standard Lot: **630251**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:32		
Internal Standard	VERIFIED	12:32		
Subject Sample 1			1.9	9.0
IR Result	0.000	12:33		
EC Result	0.000	12:33		
Blank Test	0.000	12:34		
External Standard IR	0.049	12:35		
External Standard EC	0.049	12:35		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 10-05-22 Location: City/State YAKIMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **11:30**
Citation/Case Number: **TEST**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **630251**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:16		
Internal Standard	VERIFIED	12:17		
Subject Sample 1			2.1	7.5
IR Result	0.000	12:17		
EC Result	0.000	12:17		
Blank Test	0.000	12:18		
External Standard IR	0.049	12:19		
External Standard EC	0.049	12:19		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Justin Rumsey

Date 10-05-2022 Location: City/State YAKIMA, WA

Washington State Patrol
External Standard Change

Test Date: 11/06/2022
Location: WASHINGTON

Sequential Test #: 1119

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARAH-0094</u>	<u>10/05/2022</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1308463</u>	<u>0.080</u>	<u>04/06/2023</u>	<u>CAL GAS INLET 1</u>

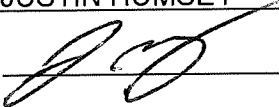
External Standard Test Details


Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	01:08
External Standard IR	0.079	01:09
External Standard EC	0.078	01:09
Blank Test	0.000	01:10
External Standard IR	0.079	01:10
External Standard EC	0.079	01:10
Blank Test	0.000	01:12
External Standard IR	0.079	01:12
External Standard EC	0.078	01:12
Blank Test	0.000	01:12

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JUSTIN RUMSEY

Signature: 

Sig. Date: ~~11/06/2022~~ 

10-05-2022

Washington State Patrol
Supervisor Test

Test Date: 10/05/2022 11:40

Sequential Test #: 1117

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARAH-0094

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:40
Blank Test	0.000	11:40
External Standard IR	0.049	11:40
External Standard EC	0.049	11:40
Blank Test	0.000	11:41
Diagnostic	OK	11:41

Operator: Justin Runney

Signature: 

Sig. Date: 10-05-22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **ABC123**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

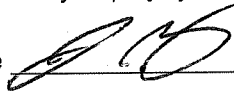
Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:36		
Internal Standard	VERIFIED	11:37		
Subject Sample 1			-----	-----
IR Result	-----	11:37		
EC Result	-----	11:37		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature



Printed Name

JUSTIN RUMSEY

Date

10-05-22

Location: City/State

KATHENA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **ABC123**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

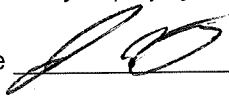
Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:35		
Internal Standard	VERIFIED	11:35		
Subject Sample 1			-----	-----
IR Result	-----	11:36		
EC Result	-----	11:36		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **TEST INCOMPLETE**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature



Printed Name

Justin Rumsey

Date

10-05-22

Location: City/State

YAKIMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **10:30**
Citation/Case Number: **ABC123**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:24		
Internal Standard	VERIFIED	11:25		
Subject Sample 1			2.2	9.5
IR Result	0.000	11:25		
EC Result	0.000	11:25		
Blank Test	0.000	11:26		
External Standard IR	0.079	11:27		
External Standard EC	0.078	11:27		
Blank Test	0.000	11:29		
Subject Sample 2			2.2	9.2
IR Result	0.000	11:29		
EC Result	0.000	11:29		
Blank Test	0.000	11:30		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 10-05-22 Location: City/State YALUMA, WA

RE PRINT

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: 10/05/2022
Observation Period Began: 10:00
Citation/Case Number: ABC123
Operator Name: RUMSEY/ JUSTIN/ -
Subject Name: AXTMAN/ JOHN/ -
Subject Date of Birth: 01/01/1950
External Standard Lot: 1428765

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:36		
Internal Standard	VERIFIED	11:37		
Subject Sample 1			-----	-----
IR Result	-----	11:37		
EC Result	-----	11:37		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date 10-05-22

Location: City/State

YAKIMA, WA

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAH-0094
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.0
 TECHNICIAN: JUSTIN RUMSEY
 TIME/DATE BEGAN: 08:54 10/05/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4972 THERM#: DR4972

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4487</u>		<u>DR4972</u>		<u>DR4983</u>		<u>DR4489</u>	
Sim Thermometer #	<u>DR4487</u>		<u>DR4972</u>		<u>DR4983</u>		<u>DR4489</u>	
QAP Batch #	<u>202011B</u>		<u>202203B</u>		<u>202106C</u>		<u>202106D</u>	
Reference Value	<u>0.0407</u>		<u>0.0807</u>		<u>0.1512</u>		<u>0.2006</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.149</u>	<u>0.148</u>	<u>0.199</u>	<u>0.197</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.080</u>	<u>0.148</u>	<u>0.149</u>	<u>0.198</u>	<u>0.198</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.080</u>	<u>0.149</u>	<u>0.149</u>	<u>0.198</u>	<u>0.198</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.080</u>	<u>0.149</u>	<u>0.150</u>	<u>0.198</u>	<u>0.198</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.080</u>	<u>0.149</u>	<u>0.150</u>	<u>0.198</u>	<u>0.198</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0790</u>	<u>0.0798</u>	<u>0.1488</u>	<u>0.1492</u>	<u>0.1982</u>	<u>0.1978</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0008</u>	<u>0.0004</u>	<u>0.0004</u>
Bias %	<u>-4.18</u>	<u>-4.18</u>	<u>-2.11</u>	<u>-1.12</u>	<u>-1.59</u>	<u>-1.32</u>	<u>-1.20</u>	<u>-1.40</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.50</u>	<u>0.27</u>	<u>0.54</u>	<u>0.20</u>	<u>0.20</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1308463 EXP DATE: 04/06/2023

INTERFERENCE TEST: YES BATCH#: 202203B SIM#: DR4972
 ACETONE LOT#: JR20220202 THERM#: DR4972

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SU

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

JUSTIN RUMSEY
Technician Name

Signature

10-05-2022 1010
Time/Date Procedure Completed

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: 11/06/2022
Observation Period Began: 01:45
Citation/Case Number: TEST
Operator Name: RUMSEY/ JUSTIN/ -
Subject Name: AXTMAN/ JOHN/ -
Subject Date of Birth: 01/01/1950
External Standard Lot: 1428765

OBSERVATION PERIOD TO FALL DAYLIGHT SAVINGS

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	01:02		
Internal Standard	VERIFIED	01:03		
Subject Sample 1			-----	-----
IR Result	-----	01:03		
EC Result	-----	01:03		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name JUSTIN RUMSEY

Date 10-05-2022 Location: City/State KAMIKWA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAH-0094
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **12:00**
Citation/Case Number: **TEST**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **630251**

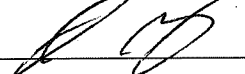
INHALATION

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:24		
Internal Standard	VERIFIED	12:24		
Subject Sample 1			1.8	7.4
IR Result	0.000	12:25		
EC Result	0.000	12:25		
Blank Test	0.000	12:26		
External Standard IR	0.049	12:27		
External Standard EC	0.049	12:27		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Justin Ramsey

Date 10-05-22 Location: City/State KAISER, WA

ARKA-0041
Trooper Chris Hooper
Version 5.13, 1.2, 3.0

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Software Verification Documentation

Technician: Christopher Hooper

Instrument Serial Number:

Date(s) Testing Performed: 10-05-2022

Draeger Alcotest 9510
Version info

Date: 05.10.2022
Time: 08:38

Serial: ARKA-0041

M16 Ver:1.2/8322798
M16 Checksum:0x3F84
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:3.0/8322796
AP Ver:3.0/8322796A
NAP Ver:3.0/8322796NA
AP/NAP CRC:0xF5EC/0xDA79

Drink. location: 0x6AAA
Lifecounter: 3365

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

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10/5/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	1015	1015	16 min count down
ii.	1018	1003	count down 1 min
iii.	1020	1019	15 min count down
iv.	1021	1022	Observation - start time is valid between 0821-1024
v.	1023	1100	observation start time is valid between 0823-1025
vi.	1024	1300	observation start time valid between 0824-1024
vii.	1025	0825	went/began testing
viii.	1027	0826	observation start time valid between 0827-1027
ix.	1029	0828	observation start time Valid between 0829-1029
x.		1000	Summary time: 1000
Comments everything work as expected			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

can 10/5/22
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DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

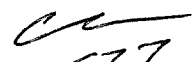
Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	


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 10/5/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments <i>error was detected but not displayed on screen. stopped the polling sequence and placed itself out of service</i>	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments <i>Same as above. Does not display code but goes out of service.</i>	

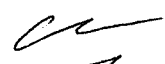
CAL gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:


527
10/5/22

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKA-0041
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.0
 TECHNICIAN: C. HOOPER
 TIME/DATE BEGAN: 08:45 10/05/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4972 THERM#: DR4972

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4487</u>		<u>DR4972</u>		<u>DR4983</u>		<u>DR4489</u>	
Sim Thermometer #	<u>DR4487</u>		<u>DR4972</u>		<u>DR4983</u>		<u>DR4489</u>	
QAP Batch #	<u>202011B</u>		<u>202203B</u>		<u>202106C</u>		<u>202106D</u>	
Reference Value	<u>0.0407</u>		<u>0.0807</u>		<u>0.1512</u>		<u>0.2006</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.040</u>	<u>0.039</u>	<u>0.079</u>	<u>0.077</u>	<u>0.152</u>	<u>0.150</u>	<u>0.203</u>	<u>0.197</u>
2	<u>0.040</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.152</u>	<u>0.150</u>	<u>0.203</u>	<u>0.198</u>
3	<u>0.040</u>	<u>0.040</u>	<u>0.081</u>	<u>0.079</u>	<u>0.152</u>	<u>0.150</u>	<u>0.203</u>	<u>0.197</u>
4	<u>0.040</u>	<u>0.040</u>	<u>0.081</u>	<u>0.079</u>	<u>0.152</u>	<u>0.150</u>	<u>0.203</u>	<u>0.198</u>
5	<u>0.040</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.152</u>	<u>0.150</u>	<u>0.203</u>	<u>0.196</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0400</u>	<u>0.0396</u>	<u>0.0802</u>	<u>0.0788</u>	<u>0.1520</u>	<u>0.1500</u>	<u>0.2030</u>	<u>0.1972</u>
SD	<u>0.0000</u>	<u>0.0005</u>	<u>0.0008</u>	<u>0.0011</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0008</u>
Bias %	<u>-1.72</u>	<u>-2.70</u>	<u>-0.62</u>	<u>-2.35</u>	<u>0.53</u>	<u>-0.79</u>	<u>1.20</u>	<u>-1.69</u>
CV %	<u>0.00</u>	<u>1.26</u>	<u>1.00</u>	<u>1.40</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.41</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1308463 EXP DATE: 04/06/2023

INTERFERENCE TEST: YES BATCH#: 202203B SIM#: DR4972
 ACETONE LOT#: JR20220202 THERM#: DR4972


INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SU

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

C. HOOPER
Technician Name


Signature

0953 10/5/22
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **ABC123**
Operator Name: **HOOPER/ C/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:20		
Internal Standard	VERIFIED	11:20		
Subject Sample 1			1.9	6.1
IR Result	0.000	11:21		
EC Result	0.000	11:21		
Blank Test	0.000	11:22		
External Standard IR	0.082	11:22		
External Standard EC	0.079	11:22		
Blank Test	0.000	11:24		
Subject Sample 2			2.2	6.3
IR Result	0.000	11:24		
EC Result	0.000	11:24		
Blank Test	0.000	11:25		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name C. Hooper

Date 10/15/22 Location: City/State Yakima, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
Observation Period Began: **11:00**
Citation/Case Number: **ABC123**
Operator Name: **HOOPER/ C/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:29		
Internal Standard	---	11:29		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 10/5/22 Location: City/State Tacoma, WA

Washington State Patrol
Supervisor Test

Test Date: 10/05/2022 11:32 Sequential Test #: 1214

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKA-0041

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:32
Test failed, Status	3	
Diagnostic	OK	11:32

Operator: C. Hooper

Signature: [Signature] Sig. Date: 10/5/22

**Washington State Patrol
Supervisor Test**

Test Date: 10/05/2022 11:33 Sequential Test #: 1215


Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKA-0041

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:33
Blank Test	0.000	11:33
External Standard IR	0.082	11:34
External Standard EC	0.080	11:34
Blank Test	0.000	11:34
Diagnostic	OK	11:35

Operator: C. Hooper

Signature: 

Sig. Date: 10/5/22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022


Analysis Date: **10/05/2022**
Observation Period Began: **11:00**
Citation/Case Number: **ABC123**
Operator Name: **HOOPER/ C/ -**
Subject Name: **AXTMAN/ JOHN/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:29		
Internal Standard	---	11:29		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 10/5/22 Location: City/State Yakima, WA

**Washington State Patrol
External Standard Change**

Test Date: 10/05/2022 Sequential Test #: 1216
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKA-0041</u>	<u>10/05/2022</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>302-402246244</u>	<u>0.080</u>	<u>10/12/2024</u>	<u>CAL GAS INLET 1</u>

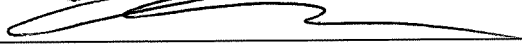
External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	11:57
External Standard IR	0.081	11:57
External Standard EC	0.080	11:57
Blank Test	0.000	11:58
External Standard IR	0.081	11:58
External Standard EC	0.080	11:58
Blank Test	0.000	12:00
External Standard IR	0.081	12:00
External Standard EC	0.080	12:00
Blank Test	0.000	12:00

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: C HOOPER

Signature:  Sig. Date: 10/05/2022

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

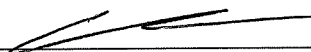
Analysis Date: **10/05/2022**
Observation Period Began: **11:00**
Citation/Case Number: **TEST**
Operator Name: **HOOPER/ C/ -**
Subject Name: **AXTMAN/ J/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1329490**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:08		
Internal Standard	VERIFIED	12:09		
Subject Sample 1			1.9	6.3
IR Result	0.000	12:09		
EC Result	0.000	12:09		
Blank Test	0.000	12:10		
External Standard IR	0.100	12:11		
External Standard EC	0.097	12:11		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 10/5/22 Location: City/State Tukwila, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022

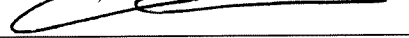
Analysis Date: **10/05/2022**
Observation Period Began: **11:30**
Citation/Case Number: **ABC123**
Operator Name: **HOOPER/ C/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1329490**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:15		
Internal Standard	VERIFIED	12:16		
Subject Sample 1			2.1	8.5
IR Result	0.000	12:16		
EC Result	0.000	12:16		
Blank Test	0.000	12:17		
External Standard IR	0.101	12:18		
External Standard EC	0.097	12:18		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 10/5/22 Location: City/State Takima WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022


Analysis Date: **10/05/2022**
Observation Period Began: **12:00**
Citation/Case Number: **ABC123**
Operator Name: **HOOPER/ C/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1329490**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:31		
Internal Standard	VERIFIED	12:32		
Subject Sample 1			2.2	6.1
IR Result	0.000	12:33		
EC Result	0.000	12:33		
Blank Test	0.000	12:34		
External Standard IR	0.101	12:34		
External Standard EC	0.097	12:34		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 10/5/22 Location: City/State Tacoma, WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARKA-0041
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 10/05/2022

Analysis Date: **10/05/2022**
 Observation Period Began: **12:00**
 Citation/Case Number: **ABC123**
 Operator Name: **HOOPER/ C/ -**
 Subject Name: **TEST/ TEST/ -**
 Subject Date of Birth: **01/01/1950**
 External Standard Lot: **1329490**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:24		
Internal Standard	VERIFIED	12:25		
Subject Sample 1			2.1	6.2
IR Result	0.000	12:25		
EC Result	0.000	12:25		
Blank Test	0.000	12:26		
External Standard IR	0.101	12:27		
External Standard EC	0.096	12:27		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 10/15/22 Location: City/State Yakima, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0041
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 10/05/2022


Analysis Date: **10/05/2022**
Observation Period Began: **12:00**
Citation/Case Number: **ABC123**
Operator Name: **HOOVER/ C/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:59		
Internal Standard	VERIFIED	13:00		
Subject Sample 1			2.4	6.0
IR Result	0.000	13:00		
EC Result	0.000	13:00		
Blank Test	0.000	13:01		
External Standard IR	-----	13:02		
External Standard EC	-----	13:02		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hoover

Date 10/5/22 Location: City/State Tacoma, WA

ARKB-0012
Forensic Scientist Shelley Benante
Version 5.13, 1.2, 3.0

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Software Verification Documentation

Technician:

Instrument Serial Number:

Date(s) Testing Performed:

Draeger Alcotest 9510
Version info

Date: 04.10.2022 *10/4/2022*
Time: 07:55

Serial: ARKB-0012

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.13/8322797
WinCE Checksum: 0x5E94
WinCE ImageVer: 1.8

Cfg Ver: 3.0/8322796
AP Ver: 3.0/8322796A
NAP Ver: 3.0/8322796NA
AP/NAP CRC: 0xF5EC/0xDA79

Drink. location: 0x6AAA
Lifecounter: 25246

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	10:37	10:37	16 minute timer began
ii.	10:40	10:25	1 minute timer began
iii.	10:42	10:41	15 minute timer began
iv.	10:43	10:44	"Observation Start Time" is valid between 0843 and 1043.
v.	10:46	22:45	"Observation Start Time" is valid between 0846 and 1046.
vi.	10:48	0800	"Observation Start Time" is valid between 0848 and 1048.
vii.	10:49	0849	proceeds to data entry
viii.	10:51	0850	"Observation Start Time" is valid between 0851 and 1051
ix.	10:52	0853	proceeds
x.		0853	Summary time: 0853
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All counties present
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All options present for No; database OK
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Both options worked as expected
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All options present
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		
Crime arrested for - Yes - all categories present		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	<i>I also tested a .10 gas</i>

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments Did not get "Blowing Not Allowed" when I blew into instrument on first attempt. Discovered the blow had to be at the READY screen.	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments Check airway never came up but purging stopped abruptly when airways were blocked.	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

Printouts for errors were occurring when they had not for previous version

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKB-0012
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.0
 TECHNICIAN: BENANTE
 TIME/DATE BEGAN: 08:59 10/04/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202110C REF VALUE: 0.0806 SIM#: DR4536 THERM#: DR4536

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4768</u>	<u>DR4767</u>	<u>DR4492</u>	<u>DR4531</u>
Sim Thermometer #	<u>DR4768</u>	<u>DR4767</u>	<u>DR4492</u>	<u>DR4531</u>
QAP Batch #	<u>202205C</u>	<u>202108D</u>	<u>202111F</u>	<u>202106D</u>
Reference Value	<u>0.0402</u>	<u>0.0803</u>	<u>0.1506</u>	<u>0.2006</u>
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>	<u>IR</u> <u>EC</u>
1	<u>0.040</u> <u>0.039</u>	<u>0.081</u> <u>0.081</u>	<u>0.152</u> <u>0.149</u>	<u>0.198</u> <u>0.195</u>
2	<u>0.039</u> <u>0.039</u>	<u>0.081</u> <u>0.081</u>	<u>0.152</u> <u>0.151</u>	<u>0.199</u> <u>0.198</u>
3	<u>0.039</u> <u>0.039</u>	<u>0.081</u> <u>0.081</u>	<u>0.151</u> <u>0.150</u>	<u>0.200</u> <u>0.198</u>
4	<u>0.039</u> <u>0.040</u>	<u>0.081</u> <u>0.081</u>	<u>0.150</u> <u>0.150</u>	<u>0.199</u> <u>0.199</u>
5	<u>0.039</u> <u>0.040</u>	<u>0.080</u> <u>0.081</u>	<u>0.150</u> <u>0.150</u>	<u>0.199</u> <u>0.199</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
Mean	<u>0.0392</u> <u>0.0394</u>	<u>0.0808</u> <u>0.0810</u>	<u>0.1510</u> <u>0.1500</u>	<u>0.1990</u> <u>0.1978</u>
SD	<u>0.0004</u> <u>0.0005</u>	<u>0.0004</u> <u>0.0000</u>	<u>0.0010</u> <u>0.0007</u>	<u>0.0007</u> <u>0.0016</u>
Bias %	<u>-2.49</u> <u>-1.99</u>	<u>0.62</u> <u>0.87</u>	<u>0.27</u> <u>-0.40</u>	<u>-0.80</u> <u>-1.40</u>
CV %	<u>1.02</u> <u>1.27</u>	<u>0.50</u> <u>0.00</u>	<u>0.66</u> <u>0.47</u>	<u>0.35</u> <u>0.81</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402311366 EXP DATE: 12/20/2024

INTERFERENCE TEST: YES BATCH#: 202110C SIM#: DR4536
 ACETONE LOT#: JV20190410 THERM#: DR4536

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SZ

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

BENANTE
Technician Name

Signature

10:11 10/4/2022
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **10:45**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **TEST/ SCHMOE/ N**
Subject Date of Birth: **10/10/1950**
External Standard Lot: **1391343**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:18		
Internal Standard	VERIFIED	11:19		
Subject Sample 1			2.1	6.1
IR Result	0.000	11:19		
EC Result	0.000	11:19		
Blank Test	0.000	11:20		
External Standard IR	0.078	11:21		
External Standard EC	0.076	11:21		
Blank Test	0.000	11:22		
Subject Sample 2			2.4	6.6
IR Result	0.000	11:23		
EC Result	0.000	11:23		
Blank Test	0.000	11:24		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Shelley Benante

Printed Name

Shelley Benante

Date *10/4/2022* Location: City/State *Seattle WA*

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **11:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **SAMPLE/ BRENDA/ LYN**
Subject Date of Birth: **10/01/2000**
External Standard Lot: **1391343**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:56		
Internal Standard	VERIFIED	11:56		
Subject Sample 1			-----	-----
IR Result	-----	11:57		
EC Result	-----	11:57		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Shelley Benante

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **11:20**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **SAMPLE/ BRENDA/ LYN**
Subject Date of Birth: **10/01/2000**
External Standard Lot: **1391343**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:42		
Internal Standard	VERIFIED	11:43		
Subject Sample 1			-----	-----
IR Result	-----	11:45		
EC Result	-----	11:45		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Shelley Benante

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle, WA

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **TEST/ T/ T**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1391343**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	-----	12:02		
Internal Standard	---	--:--		
Subject Sample 1			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

Washington State Patrol
Supervisor Test

Test Date: 10/04/2022 12:46 Sequential Test #: 601

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKB-0012

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:46
Blank Test	0.000	12:46
External Standard IR	0.079	12:47
External Standard EC	0.077	12:47
Blank Test	0.000	12:47
Diagnostic	OK	12:48

Operator: Shelley Benante

Signature: [Signature] Sig. Date: 10/4/2022

Washington State Patrol
Supervisor Test

Test Date: 10/04/2022 12:50 Sequential Test #: 602


Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKB-0012

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:50
Blank Test	0.000	12:50
External Standard IR	0.079	12:51
External Standard EC	0.078	12:51
Blank Test	0.000	12:51
Diagnostic	OK	12:52

Operator: Shelley Benante

Signature:  Sig. Date: 10/4/2022

Washington State Patrol
Supervisor Test

Test Date: 10/04/2022 12:59 Sequential Test #: 603

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKB-0012

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:59
Blank Test	0.000	12:59
External Standard IR	0.095	12:59
External Standard EC	0.094	12:59
Blank Test	0.000	13:00
Diagnostic	OK	13:01

Operator: Shelley Benante

Signature: Shelley Benante Sig. Date: 10/4/2022

**Washington State Patrol
External Standard Change**

Test Date: 11/06/2022 Sequential Test #: 604
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKB-0012</u>	<u>07/14/2022</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1453316</u>	<u>0.080</u>	<u>02/18/2024</u>	<u>CAL GAS INLET 2</u>

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	01:04
External Standard IR	0.080	01:05
External Standard EC	0.078	01:05
Blank Test	0.000	01:06
External Standard IR	0.080	01:06
External Standard EC	0.078	01:06
Blank Test	0.000	01:07
External Standard IR	0.079	01:07
External Standard EC	0.078	01:07
Blank Test	0.000	01:08

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: SHELLEY BENANTE

Signature:  Sig. Date: 11/06/2022

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **13:00**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

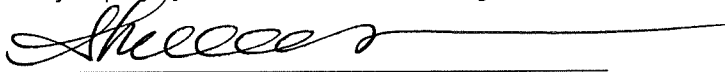
Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	13:42		
Internal Standard	VERIFIED	13:42		
Subject Sample 1			2.1	6.2
IR Result	0.000	13:43		
EC Result	0.000	13:43		
Blank Test	0.000	13:44		
External Standard IR	0.096	13:44		
External Standard EC	0.092	13:44		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature



Printed Name

Shelley Benant

Date 10/4/2022

Location: City/State

Seattle WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **13:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	13:49		
Internal Standard	VERIFIED	13:49		
Subject Sample 1			2.4	6.3
IR Result	0.000	13:50		
EC Result	0.000	13:50		
Blank Test	0.000	13:51		
External Standard IR	0.096	13:51		
External Standard EC	0.093	13:51		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature: *Shelley Benante*

Printed Name: Shelley Benante

Date: 10/4/2022 Location: City/State: Seattle WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

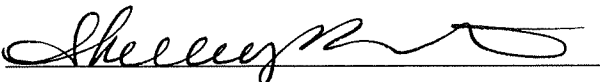
Analysis Date: **10/04/2022**
Observation Period Began: **13:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	13:56		
Internal Standard	VERIFIED	13:57		
Subject Sample 1			2.6	6.4
IR Result	0.000	13:57		
EC Result	0.000	13:57		
Blank Test	0.000	13:58		
External Standard IR	0.096	13:59		
External Standard EC	0.092	13:59		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **13:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:05		
Internal Standard	VERIFIED	14:05		
Subject Sample 1			1.9	6.1
IR Result	0.000	14:06		
EC Result	0.000	14:06		
Blank Test	0.000	14:07		
External Standard IR	-----	14:07		
External Standard EC	0.092	14:07		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 40

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

Inhaled prior to External Standard out of Range
07/06/2022

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

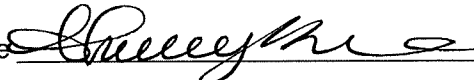
Analysis Date: **10/04/2022**
Observation Period Began: **13:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:11		
Internal Standard	VERIFIED	14:12		
Subject Sample 1			1.8	5.9
IR Result	0.000	14:12		
EC Result	0.000	14:12		
Blank Test	0.000	14:13		
External Standard IR	0.095	14:14		
External Standard EC	0.093	14:14		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

*As it goes into READY - inhalation detected
status code displayed*

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **14:00**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:19		
Internal Standard	VERIFIED	14:20		
Subject Sample 1			2.0	6.1
IR Result	0.000	14:20		
EC Result	0.000	14:20		
Blank Test	0.000	14:21		
External Standard IR	0.096	14:22		
External Standard EC	0.093	14:22		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Shelley Benante

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

Put itself out of service after
"BLOWING NOT ALLOWED" AFTER CAL STD FAIL
WHEN BLOWING AT THE READY PROMPT (Right as it goes)
back to Ready

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **14:00**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:27		
Internal Standard	VERIFIED	14:27		
Subject Sample 1			1.9	6.1
IR Result	0.000	14:28		
EC Result	0.000	14:28		
Blank Test	0.000	14:29		
External Standard IR	0.096	14:29		
External Standard EC	0.093	14:29		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Shelley Benante

Printed Name

Shelley Benante

Date

10/4/2022

Location: City/State

Seattle WA

After CAL STD FAIL we blocked all airways the instrument started to purge and immediately aborted the purge and went out of service.

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARKB-0012
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 07/14/2022

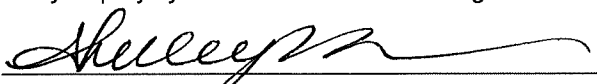
Analysis Date: **10/04/2022**
 Observation Period Began: **14:00**
 Citation/Case Number: **TEST**
 Operator Name: **BENANTE/ SHELLEY/ R**
 Subject Name: **DOE/ MARK/ JAMES**
 Subject Date of Birth: **06/01/1998**
 External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:35		
Internal Standard	VERIFIED	14:36		
Subject Sample 1			2.0	7.1
IR Result	0.000	14:36		
EC Result	0.000	14:36		
Blank Test	0.000	14:37		
External Standard IR	0.095	14:38		
External Standard EC	0.093	14:38		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/22 Location: City/State Seattle WA

CAL STD FAIL IN Training Mode - put itself out of service when put into evidential mode

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARKB-0012
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 07/14/2022


Analysis Date: **10/04/2022**
 Observation Period Began: **14:15**
 Citation/Case Number: **TEST**
 Operator Name: **BENANTE/ SHELLEY/ R**
 Subject Name: **DOE/ MARK/ JAMES**
 Subject Date of Birth: **06/01/1998**
 External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:45		
Internal Standard	VERIFIED	14:45		
Subject Sample 1			2.1	6.6
IR Result	0.000	14:46		
EC Result	0.000	14:46		
Blank Test	0.000	14:47		
External Standard IR	0.096	14:47		
External Standard EC	0.093	14:47		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

Blowing not allowed message in training
 mode when I blew after CAL STD FAIL (RIGHT AT READY)
 - went out of service when I switched instrument
 to evidential

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **14:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:52		
Internal Standard	VERIFIED	14:52		
Subject Sample 1			2.3	7.9
IR Result	0.000	14:53		
EC Result	0.000	14:53		
Blank Test	0.000	14:54		
External Standard IR	0.096	14:54		
External Standard EC	0.093	14:54		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

Date

[Signature]
Shelley Benante
10/4/2022

Location: City/State

Seattle WA

Inhalation Detected when air was sucked in through mouthpiece at "READY" screen after CAL STD FAIL IN training mode. Went out of service when I switched the instrument to evidential mode.

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

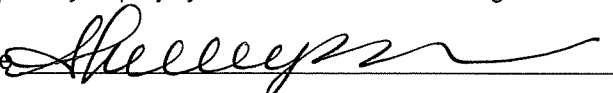
Analysis Date: **10/04/2022**
Observation Period Began: **14:30**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	15:00		
Internal Standard	VERIFIED	15:00		
Subject Sample 1			1.9	6.6
IR Result	0.000	15:01		
EC Result	0.000	15:01		
Blank Test	0.000	15:02		
External Standard IR	0.096	15:02		
External Standard EC	0.093	15:02		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

Check airway message did not come up but
purge stopped when airways were blocked in training mode.
Instrument disabled when put into evidential mode.

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/04/2022**
Observation Period Began: **14:45**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	15:07		
Internal Standard	VERIFIED	15:07		
Subject Sample 1			1.8	6.1
IR Result	0.000	15:08		
EC Result	0.000	15:08		
Blank Test	0.000	15:09		
External Standard IR	-----	15:09		
External Standard EC	-----	15:09		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature Shelley Benante

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

CAL GAS SUPPLY - Put itself out of service.

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022


Analysis Date: **10/04/2022**
Observation Period Began: **14:45**
Citation/Case Number: **TEST**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **DOE/ MARK/ JAMES**
Subject Date of Birth: **06/01/1998**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	15:14		
Internal Standard	VERIFIED	15:15		
Subject Sample 1			1.9	5.9
IR Result	0.000	15:15		
EC Result	0.000	15:15		
Blank Test	0.000	15:16		
External Standard IR	-----	15:17		
External Standard EC	-----	15:17		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Shelley Benante

Date 10/4/2022 Location: City/State Seattle WA

CAL GAS SUPPLY IN TRAINING MODE - WENT TO
READY THEN WENT OUT OF SERVICE WHEN PUT BACK
IN EVIDENTIAL

ARKC-0022
Trooper Mike Qunell
Version 5.13, 1.2, 3.0

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Software Verification Documentation

Technician: *QUNELL, M*
Instrument Serial Number: *ARKC-0022*
Date(s) Testing Performed: *10/5/22*

M 10/5/22

Draeger Alcotest 9510
Version info

Date: 05.10.2022
Time: 06:59

Serial: ARKC-0022

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.13/8322797
WinCE Checksum: 0x5E94
WinCE ImageVer: 1.8

Cfg Ver: 3.0/8322796
AP Ver: 3.0/8322796A
NAP Ver: 3.0/8322796NA
AP/NAP CRC: 0xF5EC/0xDA79

Drink. location: 0x6AAA
Lifecounter: 22776

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
TextsExternalPrt_066
AccessRights_029

Subversion:
WA

M. Qunell
10/5/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	8:23	8:23	10 MINUTE TIMER
ii.	8:24	8:09	1 MINUTE TIMER
iii.	8:26	8:25	15 MINUTE TIMER
iv.	8:27	8:28	ERROR MSG
v.	8:28	10:00	ERROR MSG
vi.	8:28	11:00	ERROR MSG
vii.	8:29	06:29	TEST CONTINUES
viii.	8:30	6:29	ERROR MSG
ix.	8:32	6:33	TEST CONTINUES
x.		6:33	Summary time: 6:33
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ENTERED NO, TEST CANCELLED
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ENTERED YES, RESTART OBS.
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ONLY WA SCANNED
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

M. Lull
10/5/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

M. Zull
10/5/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

M. Zull
10/5/22

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKC-0022
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.0
 TECHNICIAN: QUNELL/M
 TIME/DATE BEGAN: 07:06 10/05/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4524 THERM#: DR4524

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	DR4480	DR4969	DR4990	DR4760
Sim Thermometer #	DR4480	DR4969	DR4990	DR4760
QAP Batch #	202111A	202203B	202203C	202111G
Reference Value	0.0405	0.0807	0.1507	0.2010
Sim Temp 34.0°C ± 0.2°C Before?	YES	YES	YES	YES
	IR EC	IR EC	IR EC	IR EC
1	0.039 0.039	0.079 0.078	0.149 0.147	0.200 0.194
2	0.039 0.039	0.079 0.079	0.149 0.147	0.199 0.195
3	0.039 0.039	0.079 0.079	0.149 0.147	0.198 0.194
4	0.039 0.039	0.079 0.079	0.148 0.147	0.198 0.194
5	0.039 0.039	0.078 0.079	0.148 0.147	0.197 0.194
Sim Temp 34.0°C ± 0.2°C After?	YES	YES	YES	YES
	IR EC	IR EC	IR EC	IR EC
Mean	0.0390 0.0390	0.0788 0.0788	0.1486 0.1470	0.1984 0.1942
SD	0.0000 0.0000	0.0004 0.0004	0.0005 0.0000	0.0011 0.0004
Bias %	-3.70 -3.70	-2.35 -2.35	-1.39 -2.46	-1.29 -3.38
CV %	0.00 0.00	0.51 0.51	0.34 0.00	0.55 0.21

COMPLETE BREATH TEST: YES ESS LOT#: 1474760 EXP DATE: 04/03/2024

INTERFERENCE TEST: YES BATCH#: 202203B SIM#: DR4969
 ACETONE LOT#: AH20180206 THERM#: DR4969

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 41000601

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

QUNELL/M
Technician Name

Signature

0810 10/5/22
Time/Date Procedure Completed


**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

Analysis Date: **10/05/2022**
Observation Period Began: **08:00**
Citation/Case Number: **TEST**
Operator Name: **TRAINER/ SIR/ WSP**
Subject Name: **HARRISON/ JOHN/ W**
Subject Date of Birth: **02/29/1960**
External Standard Lot: **12345**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:53		
Internal Standard	VERIFIED	08:53		
Subject Sample 1			2.0	5.9
IR Result	0.000	08:54		
EC Result	0.000	08:54		
Blank Test	0.000	08:55		
External Standard IR	0.084	08:56		
External Standard EC	0.081	08:56		
Blank Test	0.000	08:57		
Subject Sample 2			2.0	5.7
IR Result	0.000	08:57		
EC Result	0.000	08:57		
Blank Test	0.000	08:58		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUINELL

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

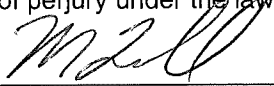
Analysis Date: **10/05/2022**
Observation Period Began: **08:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ MICHAEL/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **12345**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:04		
Internal Standard	VERIFIED	09:05		
Subject Sample 1			-----	-----
IR Result	-----	09:07		
EC Result	-----	09:07		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

Analysis Date: **10/05/2022**
Observation Period Began: **08:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **12345**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:12		
Internal Standard	VERIFIED	09:12		
Subject Sample 1			-----	-----
IR Result	-----	09:13		
EC Result	-----	09:13		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

Washington State Patrol
Supervisor Test

Test Date: 10/05/2022 09:16 Sequential Test #: 345

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKC-0022

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	09:16
Blank Test	0.000	09:16
External Standard IR	0.097	09:16
External Standard EC	0.095	09:16
Blank Test	0.000	09:17
Diagnostic	OK	09:17

Operator: M. Quinnell
Signature: M. Quinnell Sig. Date: 10/5/22

Washington State Patrol
Supervisor Test

Test Date: 10/05/2022 09:18

Sequential Test #: 346

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARKC-0022

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	09:18
Blank Test	0.000	09:18
External Standard IR	0.084	09:19
External Standard EC	0.082	09:19
Blank Test	0.000	09:19
Diagnostic	OK	09:20

Operator: M. Gynell

Signature: M. Gynell

Sig. Date: 10/5/22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

Analysis Date: **10/05/2022**
Observation Period Began: **08:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **12345**

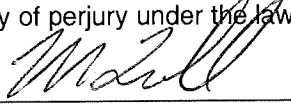
REPRINT

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:12		
Internal Standard	VERIFIED	09:12		
Subject Sample 1			-----	-----
IR Result	-----	09:13		
EC Result	-----	09:13		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

**Washington State Patrol
External Standard Change**

Test Date: 11/06/2022 Sequential Test #: 347
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKC-0022</u>	<u>12/31/2050</u>

Drygas Cylinder External Standard Information


Lot Number	Concentration	Expiration	Inlet
<u>AG909902</u>	<u>0.080</u>	<u>04/09/2023</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	01:03
External Standard IR	0.084	01:03
External Standard EC	0.082	01:03
Blank Test	0.000	01:04
External Standard IR	0.083	01:04
External Standard EC	0.082	01:04
Blank Test	0.000	01:06
External Standard IR	0.084	01:06
External Standard EC	0.082	01:06
Blank Test	0.000	01:06

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: MICHAEL QUNELL
Signature:  Sig. Date: 11/06/2022

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:34		
Internal Standard	VERIFIED	11:35		
Subject Sample 1			2.0	6.1
IR Result	0.000	11:35		
EC Result	0.000	11:35		
Blank Test	0.000	11:36		
External Standard IR	0.098	11:37		
External Standard EC	0.094	11:37		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

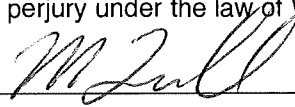
Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:41		
Internal Standard	VERIFIED	11:42		
Subject Sample 1			2.1	5.8
IR Result	0.000	11:42		
EC Result	0.000	11:42		
Blank Test	0.000	11:43		
External Standard IR	0.097	11:44		
External Standard EC	0.094	11:44		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

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Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

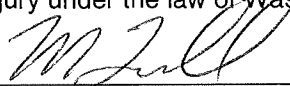
Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:48		
Internal Standard	VERIFIED	10:49		
Subject Sample 1			2.1	6.7
IR Result	0.000	10:49		
EC Result	0.000	10:49		
Blank Test	0.000	10:50		
External Standard IR	0.098	10:51		
External Standard EC	0.094	10:51		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARKC-0022
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 12/31/2050

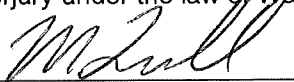
Analysis Date: **10/05/2022**
 Observation Period Began: **10:00**
 Citation/Case Number: **TEST**
 Operator Name: **QUNELL/ M/ K**
 Subject Name: **TEST/ TEST/ -**
 Subject Date of Birth: **01/01/1950**
 External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:56		
Internal Standard	VERIFIED	10:56		
Subject Sample 1			1.9	5.9
IR Result	0.000	10:57		
EC Result	0.000	10:57		
Blank Test	0.000	10:58		
External Standard IR	0.098	10:59		
External Standard EC	0.094	10:59		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

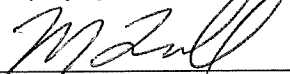
Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:03		
Internal Standard	VERIFIED	11:04		
Subject Sample 1			2.1	5.9
IR Result	0.000	11:05		
EC Result	0.000	11:05		
Blank Test	0.000	11:06		
External Standard IR	0.098	11:06		
External Standard EC	0.093	11:06		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. Qunell

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:12		
Internal Standard	VERIFIED	11:12		
Subject Sample 1			2.1	6.0
IR Result	0.000	11:13		
EC Result	0.000	11:13		
Blank Test	0.000	11:14		
External Standard IR	-----	11:14		
External Standard EC	-----	11:14		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

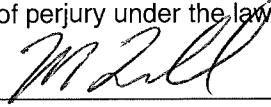
Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:19		
Internal Standard	VERIFIED	11:19		
Subject Sample 1			1.9	5.9
IR Result	0.000	11:20		
EC Result	0.000	11:20		
Blank Test	0.000	11:21		
External Standard IR	0.098	11:21		
External Standard EC	0.093	11:21		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARKC-0022
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 12/31/2050

Analysis Date: **10/05/2022**
 Observation Period Began: **10:00**
 Citation/Case Number: **TEST**
 Operator Name: **QUNELL/ M/ K**
 Subject Name: **TEST/ TES/ -**
 Subject Date of Birth: **01/01/1950**
 External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:25		
Internal Standard	VERIFIED	11:26		
Subject Sample 1			2.1	5.9
IR Result	0.000	11:26		
EC Result	0.000	11:26		
Blank Test	0.000	11:27		
External Standard IR	0.098	11:28		
External Standard EC	0.094	11:28		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

WASHINGTON STATE PATROL
TRAINING SUBJECT TEST
 ALCOTEST 9510 SERIAL NUMBER ARKC-0022
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.0
 DATE OF LAST QAP: 12/31/2050


Analysis Date: **10/05/2022**
 Observation Period Began: **10:00**
 Citation/Case Number: **TEST**
 Operator Name: **QUNELL/ M/ K**
 Subject Name: **TEST/ TEST/ -**
 Subject Date of Birth: **01/01/1950**
 External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:35		
Internal Standard	VERIFIED	11:36		
Subject Sample 1			2.0	6.3
IR Result	0.000	11:37		
EC Result	0.000	11:37		
Blank Test	0.000	11:37		
External Standard IR	0.097	11:38		
External Standard EC	0.093	11:38		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 12/31/2050

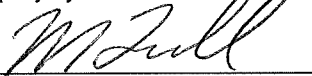
Analysis Date: **10/05/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:42		
Internal Standard	VERIFIED	11:43		
Subject Sample 1			2.0	5.7
IR Result	0.004	11:44		
EC Result	0.004	11:44		
Blank Test	0.000	11:45		
External Standard IR	0.097	11:45		
External Standard EC	0.094	11:45		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name M. QUNELL

Date 10/5/22 Location: City/State TACOMA, WA

ARKD-0019
Trooper Kyle Dahl
Version 5.13, 1.2, 3.0

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Software Verification Documentation

Technician:

Instrument Serial Number:

Date(s) Testing Performed:

Draeger Alcotest 9510
Version info

Date: 30.09.2022
Time: 07:19

Serial: ARKD-0019

M16 Ver:1.2/8322798
M16 Checksum:0x3F84
BTL Ver:1.5/8323536

WinCE Ver:5.13/8322797
WinCE Checksum:0x5E94
WinCE ImageVer:1.8

Cfg Ver:3.0/8322796
AP Ver:3.0/8322796A
NAP Ver:3.0/8322796NA
AP/NAP CRC:0xF5EC/0xDA79

Drink. location: 0x6AAA
Lifecounter: 41741

Config files:
RecordData_091
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_133
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

4-30-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	1003	1003	16 minute clock started
ii.	1005	0950	1 minute clock started
iii.	1006	1005	15 minute clock started
iv.	1008	1009	Gave error stated valid time between 08:08 and 10:08
v.	1009	2009	Gave error stated valid time between 08:09 and 10:09
vi.	1011	0711	Gave error stated valid time between 08:11 and 10:11
vii.	1013	0813	Test continued as expected
viii.	1015	0814	Gave error stated valid time between 08:15 and 10:15
ix.	1015	0816	Test continued as expected
x.		0816	Summary time: 0816
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Document	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items are NOT listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments: Time would change itself an hour ahead while trying to set for Nov. 6 th . Had to change the time to 0057 then the date to 11-6-22. Time jumped to 0157 when saved and then turned back to 0100 from 0159.	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.13
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.0

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Other comments:

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

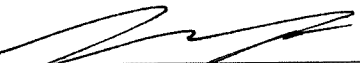
Analysis Date: **09/30/2022**
Observation Period Began: **14:00**
Citation/Case Number: **TEST**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **12/20/1957**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:37		
Internal Standard	VERIFIED	14:38		
Subject Sample 1			1.6	6.4
IR Result	0.000	14:38		
EC Result	0.000	14:38		
Blank Test	0.000	14:40		
External Standard IR	-----	14:40		
External Standard EC	-----	14:40		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 3

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KYLE DAHL

Date 9-30-22 Location: City/State POULSBORO, WA

**WASHINGTON STATE PATROL
TRAINING SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

Analysis Date: **09/30/2022**
Observation Period Began: **13:50**
Citation/Case Number: **TEST**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **12/20/1957**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	14:13		
Internal Standard	VERIFIED	14:14		
Subject Sample 1			1.6	6.6
IR Result	0.000	14:15		
EC Result	0.000	14:15		
Blank Test	0.000	14:16		
External Standard IR	0.104	14:16		
External Standard EC	0.097	14:16		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Kyle Dahl

Date 9-30-22 Location: City/State POULSBRO, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

Analysis Date: **11/06/2022**
Observation Period Began: **01:55**
Citation/Case Number: **TEST**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **TEST/ TEST/**
Subject Date of Birth: **12/20/1967**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	02:14		
Internal Standard	VERIFIED	02:14		
Subject Sample 1			1.6	7.4
IR Result	0.000	02:15		
EC Result	0.000	02:15		
Blank Test	0.000	02:16		
External Standard IR	0.104	02:17		
External Standard EC	0.098	02:17		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KYLE DAHL

Date 9-30-22 Location: City/State POWERS, WA

**Washington State Patrol
External Standard Change**

Test Date: 11/06/2022 Sequential Test #: 508
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKD-0019</u>	<u>09/30/2055</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1453316</u>	<u>0.080</u>	<u>10/24/2023</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	02:02
External Standard IR	0.085	02:02
External Standard EC	0.082	02:02
Blank Test	0.000	02:04
External Standard IR	0.085	02:04
External Standard EC	0.082	02:04
Blank Test	0.000	02:05
External Standard IR	0.084	02:05
External Standard EC	0.082	02:05
Blank Test	0.000	02:06

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: KYLE DAHL

Signature:  Sig. Date: 11/06/2022

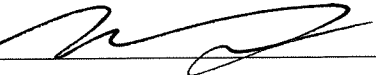
**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

Analysis Date: **09/30/2022**
Observation Period Began: **10:00**
Citation/Case Number: **1234TEST**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **TEST/ TEST/**
Subject Date of Birth: **12/20/1957**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:46		
Internal Standard	VERIFIED	10:46		
Subject Sample 1			1.6	7.7
IR Result	0.000	10:47		
EC Result	0.000	10:47		
Blank Test	0.000	10:49		
External Standard IR	0.085	10:49		
External Standard EC	0.081	10:49		
Blank Test	0.000	10:51		
Subject Sample 2			1.6	7.1
IR Result	0.000	10:51		
EC Result	0.000	10:51		
Blank Test	0.000	10:52		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name Kyle Dahl

Date 9-30-22 Location: City/State Poulsbo, WA

Washington State Patrol
Supervisor Test

Test Date: 09/30/2022 11:54 Sequential Test #: 507

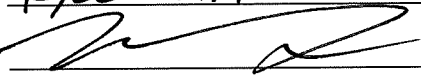
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKD-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:54
Blank Test	0.000	11:54
External Standard IR	0.085	11:55
External Standard EC	0.081	11:55
Blank Test	0.000	11:55
Diagnostic	OK	11:56

Operator: KYLE DAHL

Signature:  Sig. Date: 9-30-22

Washington State Patrol
Supervisor Test

Test Date: 09/30/2022 11:51 Sequential Test #: 506

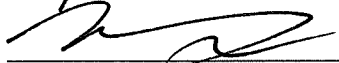
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKD-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:51
Blank Test	0.000	11:51
External Standard IR	0.085	11:52
External Standard EC	0.082	11:52
Blank Test	0.000	11:52
Diagnostic	OK	11:53

Operator: Kyle DAHL

Signature:  Sig. Date: 9-30-22

Washington State Patrol
Supervisor Test

Test Date: 10/05/2022 07:50 Sequential Test #: 516

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AFKD-0019

External Standard Test Details

Function	Result	Time
	<u>g/210L</u>	<u>HH:MM</u>
Diagnostic	OK	07:50
Test failed, Status	3	
Diagnostic	OK	07:50

Operator: KYLE DAHL

Signature:  Sig. Date: 10-5-22

.100 CYLINDER

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

Analysis Date: **09/30/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST1234**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:43		
Internal Standard	VERIFIED	11:44		
Subject Sample 1			-----	-----
IR Result	-----	11:44		
EC Result	-----	11:44		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KYLE DAHL

Date 9-30-22 Location: City/State POWELL, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

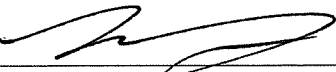
Analysis Date: **09/30/2022**
Observation Period Began: **10:00**
Citation/Case Number: **TEST1234**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:38		
Internal Standard	VERIFIED	11:38		
Subject Sample 1			-----	-----
IR Result	-----	11:41		
EC Result	-----	11:41		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **TEST INCOMPLETE**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KYLE DAHL

Date 9-30-22 Location: City/State PULLMAN, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/30/2055

Analysis Date: **09/30/2022**
Observation Period Began: **10:00**
Citation/Case Number: **1234TEST**
Operator Name: **DAHL/ KYLE/ M**
Subject Name: **TEST/ TEST/**
Subject Date of Birth: **12/20/1957**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:46		
Internal Standard	VERIFIED	10:46		
Subject Sample 1			1.6	7.7
IR Result	0.000	10:47		
EC Result	0.000	10:47		
Blank Test	0.000	10:49		
External Standard IR	0.085	10:49		
External Standard EC	0.081	10:49		
Blank Test	0.000	10:51		
Subject Sample 2			1.6	7.1
IR Result	0.000	10:51		
EC Result	0.000	10:51		
Blank Test	0.000	10:52		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KYLE DAHL

Date 9-30-22 Location: City/State PULSBRO, WA

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKD-0019
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.0
 TECHNICIAN: KYLE DAHL
 TIME/DATE BEGAN: 07:34 09/30/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4529 THERM#: DR4529

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4776</u>		<u>DR4481</u>		<u>DR4486</u>		<u>DR4980</u>	
Sim Thermometer #	<u>DR4776</u>		<u>DR4481</u>		<u>DR4486</u>		<u>DR4980</u>	
QAP Batch #	<u>202205C</u>		<u>202203B</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0402</u>		<u>0.0807</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.040</u>	<u>0.040</u>	<u>0.083</u>	<u>0.082</u>	<u>0.154</u>	<u>0.149</u>	<u>0.211</u>	<u>0.203</u>
2	<u>0.040</u>	<u>0.041</u>	<u>0.083</u>	<u>0.084</u>	<u>0.153</u>	<u>0.150</u>	<u>0.208</u>	<u>0.202</u>
3	<u>0.040</u>	<u>0.041</u>	<u>0.084</u>	<u>0.084</u>	<u>0.152</u>	<u>0.148</u>	<u>0.205</u>	<u>0.199</u>
4	<u>0.040</u>	<u>0.041</u>	<u>0.084</u>	<u>0.085</u>	<u>0.149</u>	<u>0.146</u>	<u>0.202</u>	<u>0.196</u>
5	<u>0.040</u>	<u>0.041</u>	<u>0.084</u>	<u>0.085</u>	<u>0.147</u>	<u>0.144</u>	<u>0.208</u>	<u>0.201</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0400</u>	<u>0.0408</u>	<u>0.0836</u>	<u>0.0840</u>	<u>0.1510</u>	<u>0.1474</u>	<u>0.2068</u>	<u>0.2002</u>
SD	<u>0.0000</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0012</u>	<u>0.0029</u>	<u>0.0024</u>	<u>0.0034</u>	<u>0.0028</u>
Bias %	<u>-0.50</u>	<u>1.49</u>	<u>3.59</u>	<u>4.09</u>	<u>0.20</u>	<u>-2.19</u>	<u>2.89</u>	<u>-0.40</u>
CV %	<u>0.00</u>	<u>0.98</u>	<u>0.60</u>	<u>1.43</u>	<u>1.92</u>	<u>1.63</u>	<u>1.64</u>	<u>1.40</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402246244 EXP DATE: 10/12/2024

INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR4529
 ACETONE LOT#: KD20220601 THERM#: DR4529

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060H

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

KYLE DAHL
Technician Name

Signature

0947 / 9-30-22
Time/Date Procedure Completed

Additional Unexpected Automatically Generated Documents Version 5.13, 1.2, 3.0

During a review of the technicians' documentation, it was noted that printouts were automatically generated for tests other than an Incomplete, a Refusal, or a Complete Breath Test.

The instruments were generating printouts for the following:

- Status Code 3 CAL GAS SUPPLY
- Status Code 21 EXT. STANDARD FAILED
- Status Code 40 CHECK AIRWAY

These printouts are included in the technician documents.

Additional testing subsequently performed by Sergeant Sue Harbour determined that the instrument was also generating printouts for the following:

- Status Code 7 "INVALID SAMPLE"
- Status Code 8 "INTERFERENT DETECTED"
- Status Code 10 "SAMPLES OUTSIDE 10%"

These additional printouts are on the following pages.

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 09/27/2022

Analysis Date: **10/12/2022**
Observation Period Began: **08:15**
Citation/Case Number: **INVALID TEST**
Operator Name: **HARBOUR/ S/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1254236**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:46		
Internal Standard	VERIFIED	08:46		
Subject Sample 1			2.0	10.0
IR Result	-----	08:48		
EC Result	-----	08:48		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 7

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/12/2022**
Observation Period Began: **12:39**
Citation/Case Number: **ACETONE**
Operator Name: **HARBOUR/ SUSAN/ K**
Subject Name: **DETECTED/ INTERFERENT/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	13:01		
Internal Standard	VERIFIED	13:01		
Subject Sample 1			1.6	10.9
IR Result	0.001	13:02		
EC Result	0.000	13:02		
Blank Test	0.000	13:03		
External Standard IR	0.078	13:03		
External Standard EC	0.079	13:03		
Blank Test	0.000	13:05		
Subject Sample 2			1.6	10.4
IR Result	0.093	13:05		
EC Result	0.080	13:05		
Blank Test	0.000	13:07		

Test Not Complete: Status Code 8

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKB-0012
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.0
DATE OF LAST QAP: 07/14/2022

Analysis Date: **10/12/2022**
Observation Period Began: **09:30**
Citation/Case Number: **10 PERCENT**
Operator Name: **HARBOUR/ SUSAN/ K**
Subject Name: **PERCENT/ OUTSIDE/ 10**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1453316**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:52		
Internal Standard	VERIFIED	09:53		
Subject Sample 1			2.4	10.4
IR Result	0.075	09:54		
EC Result	0.074	09:54		
Blank Test	0.000	09:55		
External Standard IR	0.078	09:55		
External Standard EC	0.079	09:55		
Blank Test	0.000	09:57		
Subject Sample 2			2.5	10.3
IR Result	0.141	09:57		
EC Result	0.140	09:57		
Blank Test	0.000	09:59		

Test Not Complete: Status Code 10

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

Final software version 5.14, 1.2, 3.1

Software version 5.14, 1.2, 3.1

Requested modifications:

1. Remove the default selection for gender and ethnicity.
2. Restrict automatically generated documents during evidential testing to complete breath tests, refusals, and incomplete tests.

Revised software delivered on November 11, 2022 contained three software versions:

- WinCE: 8322797 version 5.14
- M16: 8322798 version 1.2
- Config: 8322796 3.1

The software was initially installed on one instrument (ARKA-0019). A QAP and testing was performed by Forensic Scientist Shelley Benante. Minor modifications and clarifications were made to the validation procedure and technician worksheets. The instrument performed as expected.

The software was then installed on six instruments and testing was performed by pairs of technicians:

- Trooper Darren Wilkes and Sergeant Pedro Zepeda performed the QAP and validation on instrument ARAF-0010.
- Trooper John Axtman and Trooper Justin Rumsey performed the QAP and validation on instrument AREH-0024.
- Trooper Chris Hooper and Trooper Tanya Wright performed the QAP and validation on instrument ARKA-0072.
- Forensic Scientist Ruth Cramer and Trooper Mike Qunell performed the QAP and validation on instrument ARKC-0022.
- Trooper Kyle Dahl and Trooper Nate Dashiell performed the QAP and validation on instrument ARKD-0019.
- Sergeant Susan Harbour and Trooper Kate LeCount performed the QAP and validation on instrument ARJN-0023.

The instrument performed as expected.

Procedure document
Trial Run
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

A QAP will be performed on an instrument loaded with the new software. Verify software versions by using the internal printer and attaching the results on page one of the Software Verification Documentation.

Steps:

1. Complete an “AS FOUND” Test, if applicable.
2. If applicable, **poll** the instrument, upload data, and confirm data is not corrupted.
3. **Copy** the SW_package_18.zip file to your computer. Double-click to unzip the file. **Copy** all software files to a Draeger Key (do not delete any files). **Your computer must be “Bit Locker Exempt.”**

Name	Type	Size	Date modified
 8322796.wcf	WCF File	1 KB	11/10/2022 12:13 PM
 8322796A	File	16 KB	11/10/2022 1:34 PM
 8322796NA	File	2,557 KB	11/10/2022 12:13 PM
 8322797_5.14_0x2B9D.exe	Application	1,927 KB	11/10/2022 1:36 PM
 8322798_1.2_0x3F84.bin.sig	SIG File	480 KB	9/19/2022 3:18 PM

4. Install the software

- a. Insert USB into the Draeger you have chosen for the validation:
 - i. Menu
 1. Maintenance
 - a. Update WinCE Application 8322797 version 5.14
 - b. Run
 - ii. Menu
 1. Maintenance
 - a. Update Measurement System Firmware 8322798 version 1.2
 - b. Run
 - iii. Menu
 1. Maintenance
 - a. Update Configuration Files 8322796 version 3.1
 - b. Run
 - b. If “Load Firmware/”Wrong File” appears, Continue process.
 - c. If “Invalid Digital Signature” appears:
 - i. Maintenance
 1. Event Logger
 - a. Remove
 - i. Confirm Warnings
 - d. If “Invalid Digital Signature” appears even after you have followed the steps in 4c, turn the instrument off and then back on and follow the prompts.
 5. **Perform a complete QAP (following the procedure in the current 2020 Technical Manual up to and including section 3.3.8 QAP Printout). Start a timer when acetone is added during the QAP.**

Ensure the printer is connected throughout the testing. Once it is verified that two documents are printed by default, **change the number of copies to “1.”** All testing is to be done in Evidential Mode unless otherwise indicated (step 13). **Perform step #15C approximately 20 minutes after Acetone was added to 0.08 solution during QAP.**

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

6. Perform several breath test sequences, varying entry choices
 - a. **Observation time**
 - i. When the instrument is “READY” to begin the testing sequence, **enter the time displayed** on the Draeger clock. The instrument should begin a **countdown timer of 16 minutes**.
 - ii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 15 minutes** prior to the time displayed on the Draeger clock. The instrument should begin a **countdown timer of one minute**.
 - iii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 1 minute** prior to the time displayed on the Draeger clock. The instrument should begin a **countdown timer of 15 minutes**.
 - iv. When the instrument is “READY” to begin the testing sequence, enter a time **exactly one minute later than** the time displayed on the Draeger clock. The instrument should **not** continue with the testing sequence.
 - v. When the instrument is “READY” to begin the testing sequence, enter a time **later than** the time displayed on the Draeger clock, example enter 2000 if the actual time is 0800 hours. The instrument should **not** continue with the testing sequence.
 - vi. When the instrument is “READY” to begin the testing sequence, enter a time **more than 120 minutes** prior to the time displayed on the Draeger clock, example enter 0800 if the actual time is 2000 hours. The instrument should **not** continue with the testing sequence.
 - vii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 120 minutes prior** to the time displayed on the Draeger clock, example enter 0800 if the actual time is 1000 hours. The instrument should continue with the testing sequence.
 - viii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 121 minutes prior** to the time displayed on the Draeger clock, example enter 0759 if the actual time is 1000 hours. The instrument should **not** continue with the testing sequence.
 - ix. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 119 minutes prior** to the time displayed on the Draeger clock, example enter 0801 if the actual time is 1000 hours. The instrument should continue with the testing sequence.
 - x. Summary Screen - verify time displayed matches time entered (continue to “b.”)
 - b. **Operator Observed Subject Entire Time** - Enter No and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - c. **Subject Smoke, Vomit, Put Anything in Mouth** - Enter Yes and press Next. The test should be cancelled; complete the observation period correctly and begin again.
 - d. **Citation/Case Number** - Using a combination of alpha and numeric characters, enter the number and press Next. You may identify the step or item to be tested.
 - e. **County of Arrest** - Select the county by pressing the selection box and choosing the correct county and then press Next. Verify all counties are present (see page 6).
 - f. **Crime Arrested For** - Select the offense from the drop-down menu. Verify all choices are present.
 - g. **Collision Involved** - Select Yes or No and then press Next.
 - h. **Subject drinking at specific drinking establishment**
 - i. Select No - verify drop-down menu of other options will appear.
 - ii. Select Yes - enter the name and location of the establishment in the fields to run a search.
 - i. **PBT Given**
 - i. Select No then on Summary screen, tap twice on “PBT Given” to return to entry screen
 - ii. Change selection to Yes - enter a PBT time.
 - j. **Summary Screen** - verify information displayed matches information entered
 - k. **Scan Operator Card**
 - i. Select No, enter information manually
 - ii. Select Yes, scan card and verify information
 - l. **Summary Screen** - verify information displayed matches information entered

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

- m. **Subject Ethnic Group** - Verify a default selection is **not** indicated. Select the subject's ethnicity from the drop-down menu. Verify all choices are present.
 - n. **Subject Driver License State**
 - i. Select a state for which you have a license.
 1. Select "scan."
 2. Verify information is correctly recorded and can be modified/corrected. Verify Gender includes a third gender option for non-binary displayed as "X."
 - ii. Select any state - Verify option to enter information manually
 1. Enter information manually.
 2. Verify Gender does not have a default selection indicated and includes a third gender option for non-binary displayed as "X."
 - o. **Summary Screen** - verify information displayed matches information entered, specifically the gender option.
 - p. **Provide a complete breath test**
 - i. Stop prior to sample acceptance, take a breath, then continue.
 - q. **Printout** - verify the **two** printout accurately reflect data entry, requested spacing and Penalty of Perjury Statement verbiage.
 - r. **Change the printer setting** to print **one (1) copy**.
7. Set up the instrument for a **second breath test**
- a. Allow two minutes to pass - Verify "Refusal" and "Incomplete" are displayed.
 - i. Select "Incomplete"
 - ii. Verify an "Incomplete" breath test document is produced
8. Set up the instrument for a **third breath test**
- a. After all data is entered and breath test sequence has begun, press "Stop" - verify "Refusal," "Incomplete," and "Continue" are displayed.
 - i. Select "Continue." Verify instrument returns to "PLEASE BLOW" screen.
 - ii. Select "Stop" then "Refusal." Verify a "Refusal" breath test document is produced
9. **Identify active cylinder.** Set up to run a Supervisor Test and select the non-active cylinder. Run a supervisory test to determine the selected cylinder is accessed during the Supervisor Test. Change the active cylinder and repeat. **Use different concentrations in the inlets.**
10. **Reprint function**
- a. Select a breath test to reprint (refusal, incomplete, or complete). Verify information is displayed on the "Reprint screen" after selecting the record to be reprinted. Reprint selected document.
 - b. Verify only the following are listed as database reprint options:
 - i. Evidential Subject Test
 - ii. Training Subject Test
 - iii. External Standard Change
 - iv. Supervisor Test
 - v. ABA
 - vi. Special ABA
 - vii. QAP Printout
11. Verify appropriate **automatic time adjustments**
- a. Set date and time to **March 12, 2023**, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0300 hours.
 - b. Set date and time to **November 06, 2022**, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0100 hours.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

- i. When checking the November 6, 2022 time change, first change the date and time to 11/05/2022 @ 0030 hours and save. Then change the date to 11/06/2022 and save. Then change the time to 0158 hours and save.
- c. **Change date and time back to current date and time.**

12. Perform a **cylinder change** using a Gas Concentration of 0.080.
13. Verify the **conditional disabling algorithm** will respond appropriately (i.e. the instrument will put itself out of service) after a CAL. STANDARD FAILED code message is recorded followed by a BLOWING NOT ALLOWED, INHALATION DETECTED, or CHECK AIRWAY status code message is recorded when in Evidential Mode.

Ensure the black plastic nipple is securely in place on the Cuvette Inlet (Simulator vapor inlet port). When checking the disabling status code (step 13B & D), allow the instrument to display "CAL. STANDARD FAILED" then proceed to purge. Just as the instrument is returning to the READY screen, blow into or inhale from the mouthpiece to generate the BLOWING NOT ALLOWED or INHALATION DETECTED status code. Blocking the hose during the purge will abort the purge. In all three instances, the instrument will put itself out of service when in Evidential Mode. *CHECK AIRWAY might not be displayed.

Connect a dry gas canister to the instrument with a concentration outside of the acceptable external standard range (0.072 to 0.088 inclusive).

- A. In **Evidential Mode**, perform the following:
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear.
 3. Allow the instrument to continue.
 4. The instrument should disable itself and no printout should be generated.
- B. In **Evidential Mode**, restart the sequence
 5. When the instrument is ready, provide an adequate first breath sample.
 6. Wait for the CAL. STANDARD FAILED status message to appear.
 7. Blow into or inhale from the breath hose, or in case of purging block the breath hose BLOWING NOT ALLOWED, INHALATION DETECTED, or *CHECK AIRWAY status code message should appear
 8. The instrument should disable itself and no printout should be generated.
- C. In **Training Mode**, perform the following:
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear.
 3. Allow the instrument to continue
 4. The instrument should remain in Training Mode and return to the READY screen
 5. Place the instrument back into Evidential Mode
 6. The instrument should disable itself and no printout should be generated.
- D. In **Training Mode**, restart the sequence
 7. When the instrument is ready, provide an adequate first breath sample.
 8. Wait for the CAL. STANDARD FAILED status message to appear.
 9. Blow into or inhale from the breath hose, or in case of purging block the breath hose BLOWING NOT ALLOWED, INHALATION DETECTED, or *CHECK AIRWAY status code message should appear

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
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10. The instrument should remain in Training Mode and return to the READY screen
 11. Place the instrument back into Evidential Mode
 12. The instrument should disable itself and no printout should be generated.
14. Verify the **conditional disabling algorithm** will respond appropriately (i.e. the instrument will put itself out of service) after a CAL GAS SUPPLY code message is recorded.
- a. Start the breath test sequence.
 - b. Allow the instrument to proceed beyond the Diagnostic Checks, then **remove** the external standard canister(s).
 - c. When the instrument is ready, provide an adequate first breath sample.
 - d. Allow the instrument to continue.
 - e. When checking the external standard, the instrument should indicate a CAL GAS SUPPLY status code.
 - f. The instrument should disable itself and no printout should be generated.
15. Verify proper functioning during an **INVALID SAMPLE, SAMPLES OUTSIDE 10%, AND INTERFERENT DETECTED**.
- A. Set up the instrument for an evidential breath test. Exhale into the instrument during the PLEASE BLOW phase shortly after introducing into the mouth a substance containing ethyl alcohol (i.e., mouthwash). Verify “INVALID SAMPLE” is displayed, the test is aborted, no breath test document is automatically generated, and the instrument returns to “READY.”
 - B. Using two simulators from the QAP with solution concentrations to induce a failure of sample agreement (SAMPLES OUTSIDE 10%). Set up the instrument for an evidential breath test. Using a mouthpiece, connect the breath hose to the outlet tube. Exhale through the inlet tubing into the simulator during the PLEASE BLOW phase for each simulator. Verify “SAMPLES OUTSIDE 10%” is displayed, the test is aborted, no breath test document is automatically generated, and the instrument displays an option to use the previously entered data to begin another test.
 - C. **Approximately 20 minutes after acetone was added during the QAP procedure** and using the simulator from the QAP with solution containing acetone to induce an INTERFERENT DETECTED status code. Set up the instrument for an evidential breath test. Using a mouthpiece, connect the breath hose to the outlet tube. Exhale through the inlet tubing into the simulator during the PLEASE BLOW phase. Verify “INTERFERENT DETECTED” is displayed, the test is aborted, no breath test document is automatically generated, and the instrument displays an option to use the previously entered data to begin another test.
16. Verify **polling data** reflects entered data (scanned and manual entries; gender selection; etc.). Send .a95 file to: ImpairedDrivingITSupport@wsp.wa.gov AND susan.harbour@wsp.wa.gov. Please indicate that this is a TEST file and not to be uploaded into the WebDMS database.
17. **Sign and date all documents.** Go [here](#) and create a file with your name. Upload all documents to your file.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

DROP-DOWN LISTS

COUNTY OF ARREST	CRIME ARRESTED FOR	DRINKING LOCATION	ETHNIC GROUP
Adams	DUI	Refused	White
Asotin	Physical control	Refuses to give info	Black
Benton	0.02 Minor law	Unknown	Asian
Chelan	Commercial drivers lic.	Banquet/formal party	East Indian
Clallam	Officer self test	Club-Elks,Moose,etc	Native American
Clark	Administrative Procedure	Comm non pass	Hispanic
Columbia	Other	Dining establishment	Pacific Islander
Cowlitz	Assault	Event-sprtnng,cncrt,etc.	Other
Douglas	Domestic Violence	Other	
Ferry	Boating under the Influence	Pass/comm. conv	
Franklin	Homicide by Watercraft	Private conveyance	
Garfield	Assault by Watercraft	Private home	
Grant		Public bar/tavern	
Grays Harbor		Drinking in Canada	
Island		Drinking in Idaho	
Jefferson		Drinking in Oregon	
King		Vessel,prvtly owned	
Kitsap		Vessel,commercial	
Kittitas			
Klickitat			
Lewis			
Lincoln			
Mason			
Okanogan			
Pacific			
Pend Oreille			
Pierce			
San Juan			
Skagit			
Skamania			
Snohomish			
Spokane			
Stevens			
Thurston			
Wahkiakum			
Walla Walla			
Whatcom			
Whitman			
Yakima			

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
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Software Validation Documentation

Technician:

Instrument Serial Number:

Date(s) Testing Performed:

Affix the
initialed &
dated
active
software
versions
printout
here.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Observation times

	Draeger Displayed Time	Entered Time	Result
i.			
ii.			
iii.			
iv.			
v.			
vi.			
vii.			
viii.			
ix.			
x.			Summary time:
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

INVALID SAMPLE, SAMPLES OUTSIDE 10%, AND INTERFERENT DETECTED

Type of scenario	Instrument reacted as intended (yes/no)
INVALID SAMPLE	<input type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input type="checkbox"/> Yes <input type="checkbox"/> No
INTERFERENT DETECTED	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9) (except for Step 5, please handwrite the step number on the document(s)):

- ☐ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☐ Step 6q: Complete breath test (2 copies)
- ☐ Step 7: Incomplete
- ☐ Step 8: Refusal
- ☐ Step 9: Supervisory tests (2)
- ☐ Step 10: Reprint
- ☐ Step 12: Cylinder change

Technician worksheet
Trial Run
Version 5.14, 1.2, 3.1

ARKA-0019
Forensic Scientist Shelley Benante
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technician: *Shelley Benante*

Instrument Serial Number: *ARKA-0019*

Date(s) Testing Performed: *11/29/2022*

Draeger Alcotest 9510
Version info

Date: 29.11.2022
Time: 08:51

Serial: ARKA-0019

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8

Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365

Drink. location: 0x6AAA
Lifecounter: 43401

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Observation times

	Draeger Displayed Time	Entered Time	Result
i.	1031	1031	16 minute timer started
ii.	1033	1018	1 minute timer started
iii.	1035	1034	15 minute timer started
iv.	1036	1037	Observation start time is valid between 0836 and 1036
v.	1037	2237	" " " 0837 and 1037
vi.	1038 1037	0830	" " " " "
vii.	1038	0838	Sequence proceeded
viii.	1039	0838	Observation start time is valid between 0839 and 1039
ix.	1040	0841	Sequence proceeded
x.		0841	Summary time: 0841
Comments			

Data entry

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	



DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Evidential Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	CHECK AIRWAY MESSAGE DID NOT APPEAR BUT INSTRUMENT WENT OUT OF SERVICE

Conditional Disabling Algorithm – Training Mode

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

INVALID SAMPLE, SAMPLES OUTSIDE 10%, AND INTERFERENT DETECTED

Type of scenario	Instrument reacted as intended (yes/no)
INVALID SAMPLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
INTERFERENT DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9) (except for Step 5, please handwrite the step number on the document(s)):

- ☒ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☒ Step 6q: Complete breath test (2 copies)
- ☒ Step 7: Incomplete
- ☒ Step 8: Refusal
- ☒ Step 9: Supervisory tests (2)
- ☒ Step 10: Reprint
- ☒ Step 12: Cylinder change

```

Error[128]MAIN-SYSTEM
HW ERROR CALL      84
rcv_timeout:       0073260
rcv_timeout:       0064422
rcv_timeout:       0064422
ack_received_u8     1
button             255
uart1_rcv_status    1
com_control_u8      1
byte               0      1
byte               1      67
byte               2      0
byte               3      0
byte               4      0
byte               5     101
byte               6      0
byte               7     25
byte               8      0
byte               9      0
byte              10      1
byte              11      0
byte              12      0
byte              13      0
byte              14     255
byte              15      2
byte              16      6
byte              17      0
byte              18     205
byte              19      7
byte              20      0
byte              21      0
byte              22      0
byte              23      3
byte              24      0
byte              25      0
byte              26      0
byte              27     117
byte              28      0
byte              29     255
byte              30      0
byte              31     204
byte              32     14
byte              33     118
byte              34     100
byte              35     112

```

During ~~spring time change~~ ^{two hour window} check
 time of 120 mins prior was entered
 & went to next screen but was not
 saved
 Resulted in error 128 (Configuration_error
 Fault in configuration files; possibly
 forbidden combination of settings/parameters)

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKA-0019
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: SHELLEY BENANTE
 TIME/DATE BEGAN: 08:59 11/29/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4767 THERM#: DR4767

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4768</u>		<u>DR4536</u>		<u>DR4492</u>		<u>DR4531</u>	
Sim Thermometer #	<u>DR4768</u>		<u>DR4536</u>		<u>DR4492</u>		<u>DR4531</u>	
QAP Batch #	<u>202205C</u>		<u>202203B</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0402</u>		<u>0.0807</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.040</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>	<u>0.153</u>	<u>0.149</u>	<u>0.203</u>	<u>0.193</u>
2	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.079</u>	<u>0.152</u>	<u>0.149</u>	<u>0.202</u>	<u>0.194</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>	<u>0.152</u>	<u>0.149</u>	<u>0.202</u>	<u>0.194</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>	<u>0.152</u>	<u>0.148</u>	<u>0.201</u>	<u>0.193</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.152</u>	<u>0.148</u>	<u>0.200</u>	<u>0.193</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0392</u>	<u>0.0392</u>	<u>0.0798</u>	<u>0.0782</u>	<u>0.1522</u>	<u>0.1486</u>	<u>0.2016</u>	<u>0.1934</u>
SD	<u>0.0004</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0011</u>	<u>0.0005</u>
Bias %	<u>-2.49</u>	<u>-2.49</u>	<u>-1.12</u>	<u>-3.10</u>	<u>1.00</u>	<u>-1.39</u>	<u>0.30</u>	<u>-3.78</u>
CV %	<u>1.02</u>	<u>1.02</u>	<u>0.50</u>	<u>0.51</u>	<u>0.26</u>	<u>0.34</u>	<u>0.55</u>	<u>0.26</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402431368 EXP DATE: 05/10/2025

INTERFERENCE TEST: YES BATCH#: 202203B SIM#: DR4536
 ACETONE LOT#: JV20190410 THERM#: DR4536

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SZ

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

SHELLEY BENANTE
Technician Name

Signature

10:13 11/29/2022
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 11/29/2022

Analysis Date: **11/29/2022**
Observation Period Began: **11:00**
Citation/Case Number: **STEP 6**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **SMITH/ JOHN/ W**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1254236**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:30		
Internal Standard	VERIFIED	11:31		
Subject Sample 1			2.1	6.5
IR Result	0.000	11:32		
EC Result	0.000	11:32		
Blank Test	0.000	11:33		
External Standard IR	0.078	11:33		
External Standard EC	0.075	11:33		
Blank Test	0.000	11:35		
Subject Sample 2			2.2	6.1
IR Result	0.000	11:35		
EC Result	0.000	11:35		
Blank Test	0.000	11:36		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *Shelley Benante*

Printed Name Shelley Benante

Date 11/29/22 Location: City/State Seattle WA

Step 6g


**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 11/29/2022

Analysis Date: **11/29/2022**
Observation Period Began: **11:00**
Citation/Case Number: **STEP 6**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **SMITH/ JOHN/ W**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1254236**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:30		
Internal Standard	VERIFIED	11:31		
Subject Sample 1			2.1	6.5
IR Result	0.000	11:32		
EC Result	0.000	11:32		
Blank Test	0.000	11:33		
External Standard IR	0.078	11:33		
External Standard EC	0.075	11:33		
Blank Test	0.000	11:35		
Subject Sample 2			2.2	6.1
IR Result	0.000	11:35		
EC Result	0.000	11:35		
Blank Test	0.000	11:36		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 
Printed Name Shelley Benante
Date 11/29/22 Location: City/State Seattle WA

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**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 11/29/2022

Analysis Date: **11/29/2022**
Observation Period Began: **11:45**
Citation/Case Number: **STEP 7**
Operator Name: **BENANTE/ SHELLEY/ -**
Subject Name: **SAMPLE/ BRENDA/ LYN**
Subject Date of Birth: **10/01/2000**
External Standard Lot: **1254236**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:07		
Internal Standard	VERIFIED	12:07		
Subject Sample 1			-----	-----
IR Result	-----	12:10		
EC Result	-----	12:10		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *Shelley Benante*

Printed Name Shelley Benante

Date 11/29/2022 Location: City/State Seattle WA

Step 7

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 11/29/2022

Analysis Date: **11/29/2022**
Observation Period Began: **11:45**
Citation/Case Number: **STEP 8**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **MOTORIST / MICHAEL/ M**
Subject Date of Birth: **01/01/1965**
External Standard Lot: **1254236**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:16		
Internal Standard	VERIFIED	12:16		
Subject Sample 1			-----	-----
IR Result	-----	12:18		
EC Result	-----	12:18		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *Shelley Benante*

Printed Name Shelley Benante

Date 11/29/2022 Location: City/State Seattle WA

Step 8

Washington State Patrol
Supervisor Test

Test Date: 11/29/2022 12:20 Sequential Test #: 469

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKA-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:20
Test failed, Status	3	
Diagnostic	OK	12:21

Operator: Shelley Bernante

Signature: Shelley Bernante Sig. Date: 11/29/2022

Active Cyl 1
Selected 2

Step 9

Washington State Patrol
Supervisor Test

Test Date: 11/29/2022 12:22 Sequential Test #: 470

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKA-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:22
Test failed, Status	3	
Diagnostic	OK	12:23

Operator: Shelley Bernick
Signature: Shelley Bernick Sig. Date: 11/29/2022

Active cyl 1
Selected 2

Step 9

Washington State Patrol
Supervisor Test

Test Date: 11/29/2022 12:24 Sequential Test #: 471

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKA-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:24
Blank Test	0.000	12:24
External Standard IR	0.077	12:24
External Standard EC	0.074	12:24
Blank Test	0.000	12:25
Diagnostic	OK	12:25

Operator: Shelley Benark

Signature: Shelley Benark Sig. Date: 11/29/2022

Active Cyl 2
Selected 1

Step 9

Washington State Patrol
Supervisor Test

Test Date: 11/29/2022 12:27 Sequential Test #: 472

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKA-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	12:27
Blank Test	0.000	12:27
External Standard IR	0.096	12:27
External Standard EC	0.090	12:27
Blank Test	0.000	12:28
Diagnostic	OK	12:29

Operator: Shelley Benante

Signature: Shelley Benante Sig. Date: 11/29/2022

Active Cyl 1
Selected 2

Step 9

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 11/29/2022

Analysis Date: **11/29/2022**
Observation Period Began: **11:45**
Citation/Case Number: **STEP 8**
Operator Name: **BENANTE/ SHELLEY/ R**
Subject Name: **MOTORIST / MICHAEL/ M**
Subject Date of Birth: **01/01/1965**
External Standard Lot: **1254236**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:16		
Internal Standard	VERIFIED	12:16		
Subject Sample 1			-----	-----
IR Result	-----	12:18		
EC Result	-----	12:18		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *Shelley Benante*

Printed Name Shelley Benante

Date 11/29/2022 Location: City/State Seattle WA

step 10 Reprint

Washington State Patrol
External Standard Change

Test Date: 03/12/2023 Sequential Test #: 473
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKA-0019</u>	<u>11/29/2022</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1254236</u>	<u>0.080</u>	<u>12/24/2023</u>	<u>CAL GAS INLET 1</u>

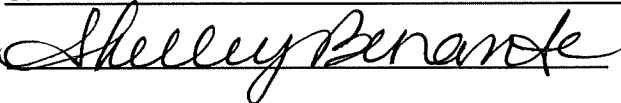
External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	02:02
External Standard IR	0.077	02:02
External Standard EC	0.073	02:02
Blank Test	0.000	02:04
External Standard IR	0.077	02:04
External Standard EC	0.074	02:04
Blank Test	0.000	02:05
External Standard IR	0.077	02:05
External Standard EC	0.074	02:05
Blank Test	0.000	02:06

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: SHELLEY BENANTE

Signature:  Sig. Date: 03/12/2023

Step 12

Procedure document

Version 5.14, 1.2, 3.1


DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Steps (read through all steps prior to commencing):

1. Complete an “AS FOUND” Test, if applicable.
2. If applicable, poll the instrument, upload data, and confirm data is not corrupted.
3. Click the SW_package_18.zip file to save it to your “Download” folder on your computer. Double-click to unzip the file. **Drag** the SW_package_18 **folder** to a Draeger Key (**do not delete/overwrite any files**). **Your computer must be “Bit Locker Exempt.”**

The SW_package_18 folder will contain the following:

Name	Type	Size	Date modified
 8322796.wcf	WCF File	1 KB	11/10/2022 12:13 PM
 8322796A	File	16 KB	11/10/2022 1:34 PM
 8322796NA	File	2,557 KB	11/10/2022 12:13 PM
 8322797_5.14_0x2B9D.exe	Application	1,927 KB	11/10/2022 1:36 PM
 8322798_1.2_0x3F84.bin.sig	SIG File	480 KB	9/19/2022 3:18 PM

4. Install the software

- a. Insert USB into the Draeger you have chosen for the validation:
 - i. Menu
 1. Maintenance
 - a. Update WinCE Application 8322797 version 5.14
 - b. Run
 - ii. Menu
 1. Maintenance
 - a. Update Measurement System Firmware 8322798 version 1.2
 - b. Run
 - iii. Menu
 1. Maintenance
 - a. Update Configuration Files 8322796 version 3.1
 - b. Run
 - b. The following messages will appear during the installation: INVALID CONFIGURATION, Please Update, All datalogger files will be deleted. This is expected. Continue the process.
 - c. If “Load Firmware/”Wrong File” appears, Continue process.
 - d. If “Invalid Digital Signature” appears:
 - i. Maintenance
 1. Event Logger
 - a. Remove
 - i. Confirm Warnings
 - e. If “Invalid Digital Signature” appears even after you have followed the steps in 4c, turn the instrument off and then back on and follow the prompts.
5. Perform a complete QAP (following the procedure in the current 2020 Technical Manual up to and including section 3.3.8 QAP Printout (verify versions) and Set Certification). **Start a timer when acetone is added during the QAP. DO NOT DISCARD QAP SOLUTIONS** until the validation is complete.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Include your name, the instrument number, and date(s) on page 1 of the worksheets. Ensure the printer is connected throughout the testing. All testing is to be done in Evidential Mode unless otherwise indicated (steps 14 and 15). **Complete step #6A approximately 20 minutes after acetone was added to 0.08 solution during QAP to allow sufficient time for the liquid and vapor solution to equilibrate.** When entering the case number, use the step number, example “STEP6A”

6. The following three items’ intent is to verify the instrument will not automatically generate a document following detection of an interfering substance, potential mouth alcohol, or lack of sample agreement.
 - a. Verify proper functioning during an **INTERFERENT DETECTED** status code. (STEP6A)
Using the simulator from the QAP with the solution containing acetone to induce an INTERFERENT DETECTED status code, set up the instrument for an evidential breath test. Using a mouthpiece, connect the breath hose to the outlet tube (see photos). Start data entry at approximately 15 minutes and complete at approximately 19 minutes after acetone was added so as to be able to provide a breath sample at **approximately 20 minutes after acetone was added during the QAP procedure.** Exhale into the inlet tubing to the simulator during the PLEASE BLOW phase to meet sample acceptance parameters. Verify “INTERFERENT DETECTED” is displayed, the test is aborted, no breath test document is automatically generated, and the instrument displays an option to use the previously entered data to begin another test.
 - b. Verify proper functioning during a **SAMPLES OUTSIDE 10%** status code. (STEP6B)
Use two simulators from the QAP with solution concentrations to induce a failure of sample agreement (SAMPLES OUTSIDE 10%). Set up the instrument for an evidential breath test. Using a mouthpiece, connect the breath hose to the outlet tube. Exhale through the inlet tubing into the simulator during the PLEASE BLOW phase for each simulator. Verify “SAMPLES OUTSIDE 10%” is displayed, the test is aborted, no breath test document is automatically generated, and the instrument displays an option to use the previously entered data to begin another test.
 - c. Verify proper functioning during an **INVALID SAMPLE** status code. (STEP6C)
Set up the instrument for an evidential breath test. Exhale into the instrument during the PLEASE BLOW phase shortly after introducing into the mouth a substance containing ethyl alcohol (i.e., mouthwash). Verify “INVALID SAMPLE” is displayed, the test is aborted, the on screen message appears, no breath test document is automatically generated, and the instrument returns to “READY.”
7. Perform several breath test sequences, varying entry choices
 - a. **Observation time**
 - i. When the instrument is “READY” to begin the testing sequence, **enter the time displayed** on the Draeger clock. The instrument should begin a **countdown timer of 16 minutes**. Select “STOP” then “INCOMPLETE” to proceed to ii.
 - ii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 15 minutes** prior to the time displayed on the Draeger clock. The instrument should begin a **countdown timer of one minute**. Select “STOP” then “INCOMPLETE” to proceed to iii.
 - iii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 1 minute** prior to the time displayed on the Draeger clock. The instrument should begin a **countdown timer of 15 minutes**. Select “STOP” then “INCOMPLETE” to proceed to iv.
 - iv. When the instrument is “READY” to begin the testing sequence, enter a time **exactly one minute later than** the time displayed on the Draeger clock. The instrument should **not** continue with the testing sequence. Select “OK” then proceed to v.
 - v. When the instrument is “READY” to begin the testing sequence, enter a time **later than** the time displayed on the Draeger clock, example enter 2000 if the actual time is 0800 hours. The instrument should **not** continue with the testing sequence. Select “OK” then proceed to vi.
 - vi. When the instrument is “READY” to begin the testing sequence, enter a time **more than 120 minutes** prior to the time displayed on the Draeger clock, example enter 0800 if the actual time is 2000 hours. The instrument should **not** continue with the testing sequence. Select “OK” then proceed to vii.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
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- CONFIG: 8322796 VERSION 3.1

- vii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 120 minutes prior** to the time displayed on the Draeger clock, example enter 0800 if the actual time is 1000 hours. The instrument should continue with the testing sequence. Select “STOP,” “CANCEL TEST,” then “INCOMPLETE” to proceed to viii.
- viii. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 121 minutes prior** to the time displayed on the Draeger clock, example enter 0759 if the actual time is 1000 hours. The instrument should **not** continue with the testing sequence. Select “OK” then proceed to ix.
- ix. When the instrument is “READY” to begin the testing sequence, enter a time **exactly 119 minutes prior** to the time displayed on the Draeger clock, example enter 0801 if the actual time is 1000 hours. The instrument should continue with the testing sequence. Select SAVE.
- x. Summary Screen - verify time displayed from ix matches time entered from ix. (continue to “b.”)
- b. **Operator Observed Subject Entire Time** - Enter No and press Next. The test should be cancelled; complete the observation period correctly and begin again.
- c. **Subject Smoke, Vomit, Put Anything in Mouth** - Enter Yes and press Next. The test should be cancelled; complete the observation period correctly and begin again.
- d. **Citation/Case Number** - Using a combination of alpha and numeric characters, enter the step number to be tested.
- e. **County of Arrest** - Verify all counties are present in the drop-down list (see page 7). Select the county then press Next.
- f. **Crime Arrested For** - Verify all choices are present in the drop-down list. Select the offense then press Next.
- g. **Collision Involved** - Select Yes or No and then press Next.
- h. **Subject drinking at specific drinking establishment**
 - i. Select No - Verify all choices are present in the drop-down list. Use PREVIOUS to go back.
 - ii. Select Yes - Enter the name and location of an establishment in the database fields to run a search.
- i. **PBT Given**
 - i. Select No then on Summary screen, tap twice on “PBT Given” to return to entry screen
 - ii. Change selection to Yes - enter a PBT time and result.
- j. **Summary Screen** - verify information displayed matches information entered
- k. **Scan Operator Card**
 - i. Select Yes, scan card and enter “Operator Agency Code.” On summary screen, verify ALL information, then double tap on “Scan operator card” entry response to navigate back.
 - ii. Select No, enter information manually
- l. **Summary Screen** - verify information displayed matches information entered
- m. **Subject Ethnic Group** - Verify a default selection is **not** indicated. Verify all choices are present in the drop-down menu Select the subject’s ethnicity.
- n. **Subject Driver License State**
 - i. Select a state for which you have a license.
 - 1. Select “scan.”
 - 2. Verify information is correctly recorded and can be modified/corrected. Verify Gender includes a third gender option for non-binary displayed as “X.”
 - ii. Select any state - Verify option to enter information manually
 - 1. Enter information manually.
 - 2. Verify Gender does **not** have a default selection indicated and includes a third gender option for non-binary displayed as “X.”
- o. **Summary Screen** - verify information displayed matches information entered, specifically the gender option.
- p. **Provide a complete breath test (STEP7P)**
 - i. Stop prior to sample acceptance, take a breath, then continue to provide two adequate samples.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

- q. **Printout** - verify the **two** printouts accurately reflect data entry, requested spacing and Penalty of Perjury Statement verbiage (see page 8).
 - r. **Change the printer setting** to print **one (1) copy**.
8. Set up the instrument for a **second breath test (STEP8)**
 - a. Allow two minutes to pass - Verify "Refusal" and "Incomplete" are displayed.
 - i. Select "Incomplete."
 - ii. Verify an "Incomplete" breath test document is produced.
9. Set up the instrument for a **third breath test (STEP9)**
 - a. After all data is entered and breath test sequence has begun, press "Stop" - verify "Refusal," "Incomplete," and "Continue" are displayed.
 - i. Select "Continue." Verify instrument returns to "PLEASE BLOW" screen.
 - ii. Select "Stop" then "Refusal." Verify a "Refusal" breath test document is produced.
10. **Identify active cylinder.** Set up to run a Supervisor Test and select the non-active cylinder. Run a supervisory test to determine the selected cylinder is accessed during the Supervisor Test. Change the active cylinder and repeat. **Use different concentrations in the inlets to confirm cylinder accessed.**
11. **Reprint function** (Handwrite "REPRINT" on printout)
 - a. Select an evidential breath test to reprint (refusal, incomplete, or complete). Verify information is displayed on the "Reprint screen" after selecting the record to be reprinted (see page 8). Reprint selected document.
 - b. Verify only the following are listed as database reprint options:
 - i. Evidential Subject Test
 - ii. Training Subject Test
 - iii. External Standard Change
 - iv. Supervisor Test
 - v. ABA
 - vi. Special ABA
 - vii. QAP Printout
12. Perform a **cylinder change** using a Gas Concentration of 0.080. Ensure that at least one cylinder has an expiration date after March 12, 2023.
13. Verify appropriate **automatic time adjustments**
 - a. Set date and time to **March 12, 2023**, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0300 hours.
 - b. Set date and time to **November 06, 2022**, 0158 hours (you may need to do this more than once). Verify time changes from 0159 hours to 0100 hours.
 - i. When checking the November 6, 2022 time change, first change the date and time to 11/05/2022 @ 0030 hours and save. Then change the date to 11/06/2022 and save. Then change the time to 0158 hours and save.
 - c. **Change date and time back to current date and time.**
14. Verify the **conditional disabling algorithm** will respond appropriately (i.e. the instrument will put itself out of service) after a CAL. STANDARD FAILED code message is recorded followed by a BLOWING NOT ALLOWED, INHALATION DETECTED, or CHECK AIRWAY status code message is recorded when in Evidential Mode. Ensure the **black plastic cover** is securely in place on the Cuvette Inlet (Simulator vapor inlet port), before you begin this step.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
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- CONFIG: 8322796 VERSION 3.1

Connect a dry gas canister to the instrument with a concentration outside of the acceptable external standard range of 0.072 to 0.088 inclusive.

- A. In **Evidential Mode**, perform the following: (STEP14A)
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear.
 3. Allow the instrument to continue.
 4. The instrument should disable itself and no printout should be generated.
- B. In **Evidential Mode**, restart the sequence (STEP14B)
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear. Allow purging to complete, then *immediately* when READY appears, blow into the breath hose, BLOWING NOT ALLOWED status code message should appear. The instrument should disable itself and no printout should be generated.
- C. In **Evidential Mode**, restart the sequence (STEP14C)
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear. Allow purging to complete, then *immediately* when READY appears, inhale from the breath hose, INHALATION DETECTED status code message should appear. The instrument should disable itself and no printout should be generated.
- D. In **Evidential Mode**, restart the sequence (STEP14D)
 1. Ensure the black cover is in place on the cuvette inlet port.
 2. When the instrument is ready, provide an adequate first breath sample.
 3. Wait for the CAL. STANDARD FAILED status message to appear. Allow purging to begin then block the breath hose. CHECK AIRWAY may not appear but the instrument will abort purging. The instrument should disable itself and no printout should be generated.
- E. In **Training Mode**, perform the following: (STEP14E)
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear.
 3. Allow the instrument to continue.
 4. The instrument should remain in Training Mode and return to the READY screen.
 5. Place the instrument back into Evidential Mode.
 6. The instrument should disable itself and no printout should be generated.
- F. In **Training Mode**, restart the sequence (STEP14F)
 1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear. Allow purging to complete, then *immediately* when READY appears, **blow** into the breath hose, BLOWING NOT ALLOWED status code message should appear.
 3. The instrument should remain in Training Mode, no printout should be generated, and return to the READY screen.
 4. Place the instrument back into Evidential Mode.
 5. The instrument should disable itself and no printout should be generated.
- G. In **Training Mode**, restart the sequence (STEP14G)
 1. When the instrument is ready, provide an adequate first breath sample.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

2. Wait for the CAL. STANDARD FAILED status message to appear. Allow purging to complete, then **immediately** when READY appears, **inhale** from the breath hose, INHALATION DETECTED status code message should appear.
 3. The instrument should remain in Training Mode, no printout should be generated, and return to the READY screen.
 4. Place the instrument back into Evidential Mode.
 5. The instrument should disable itself and no printout should be generated.
- H. In **Training Mode**, restart the sequence (STEP14H)
1. When the instrument is ready, provide an adequate first breath sample.
 2. Wait for the CAL. STANDARD FAILED status message to appear. Allow purging to begin then block the breath hose. CHECK AIRWAY may not appear but the instrument will abort purging.
 3. The instrument should remain in Training Mode, no printout should be generated, and return to the READY screen.
 4. Place the instrument back into Evidential Mode.
 5. The instrument should disable itself and no printout should be generated.
15. Verify the **conditional disabling algorithm** will respond appropriately (i.e. the instrument will put itself out of service) after a CAL GAS SUPPLY code message is recorded.
- A. In **Evidential Mode**, perform the following: (STEP15A)
1. Start the breath test sequence.
 2. Allow the instrument to proceed beyond the Diagnostic Checks, then **remove** the external standard canister(s).
 3. When the instrument is ready, provide an adequate first breath sample.
 4. Allow the instrument to continue.
 5. When checking the external standard, the instrument should indicate a CAL GAS SUPPLY status code.
 6. The instrument should disable itself and no printout should be generated.
- B. In **Training Mode**, perform the following: (STEP15B)
1. Start the breath test sequence.
 2. Allow the instrument to proceed beyond the Diagnostic Checks, then remove the external standard canister(s).
 3. When the instrument is ready, provide an adequate first breath sample.
 4. Allow the instrument to continue.
 5. When checking the external standard, the instrument should indicate a CAL GAS SUPPLY status code.
 6. The instrument should remain in Training Mode, no printout should be generated, and return to the READY screen.
 7. Place the instrument back into Evidential Mode.
 8. The instrument should disable itself and no printout should be generated.
16. Verify **polling data** reflects entered data (scanned and manual entries; gender selection; etc.). Send .a95 file to: ImpairedDrivingITSupport@wsp.wa.gov AND susan.harbour@wsp.wa.gov. **Please indicate that this is a TEST file and not to be uploaded into the WebDMS database.**
17. **Sign/initial and date all documents.** Go [here](#) and create a file with your name. Upload all documents to your file.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

DROP-DOWN LISTS

COUNTY OF ARREST	CRIME ARRESTED FOR	DRINKING LOCATION	ETHNIC GROUP
Adams	DUI	Refused	White
Asotin	Physical control	Refuses to give info	Black
Benton	0.02 Minor law	Unknown	Asian
Chelan	Commercial drivers lic.	Banquet/formal party	East Indian
Clallam	Officer self test	Club-Elks,Moose,etc	Native American
Clark	Administrative Procedure	Comm non pass	Hispanic
Columbia	Other	Dining establishment	Pacific Islander
Cowlitz	Assault	Event-sprtnng,cncrt,etc.	Other
Douglas	Domestic Violence	Other	
Ferry	Boating under the Influence	Pass/comm. conv	
Franklin	Homicide by Watercraft	Private conveyance	
Garfield	Assault by Watercraft	Private home	
Grant		Public bar/tavern	
Grays Harbor		Drinking in Canada	
Island		Drinking in Idaho	
Jefferson		Drinking in Oregon	
King		Vessel,prvtly owned	
Kitsap		Vessel,commercial	
Kittitas			
Klickitat			
Lewis			
Lincoln			
Mason			
Okanogan			
Pacific			
Pend Oreille			
Pierce			
San Juan			
Skagit			
Skamania			
Snohomish			
Spokane			
Stevens			
Thurston			
Wahkiakum			
Walla Walla			
Whatcom			
Whitman			
Yakima			

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Step 7q: Breath Test Document Verbiage and spacing:

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

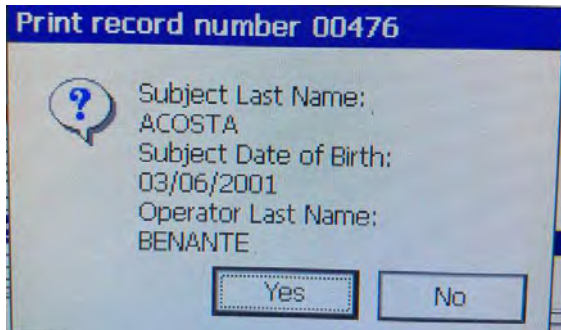
I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

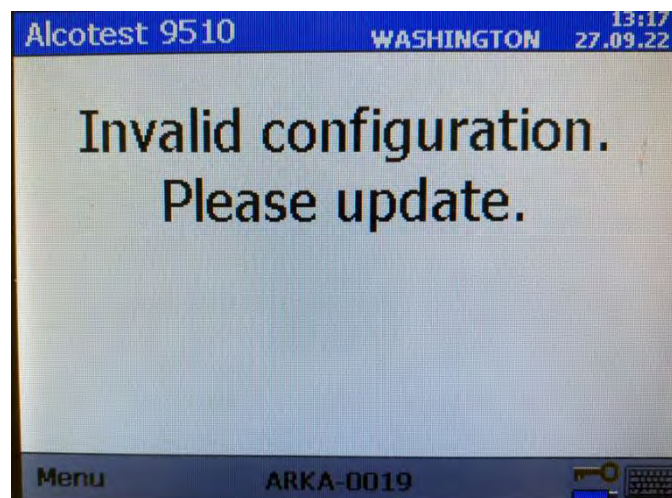
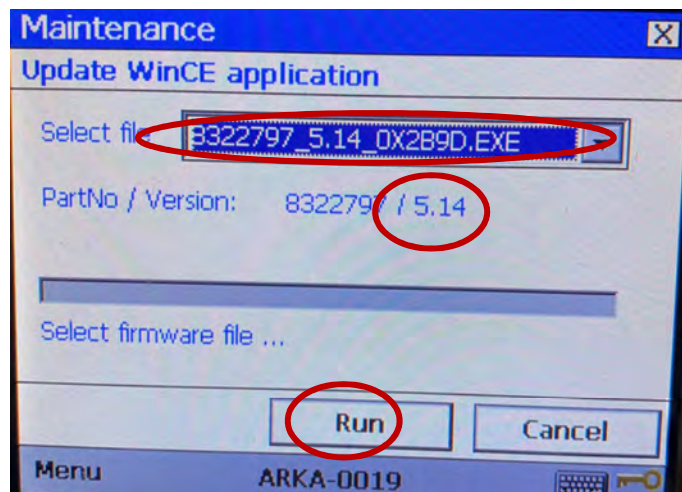
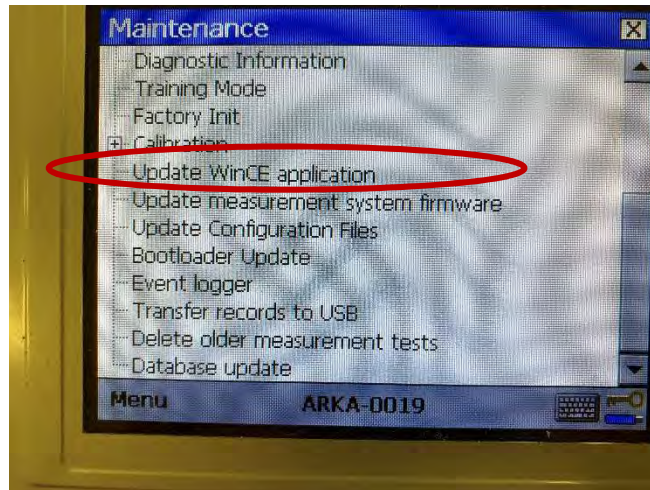
Printed Name _____

Date _____ Location: City/State _____

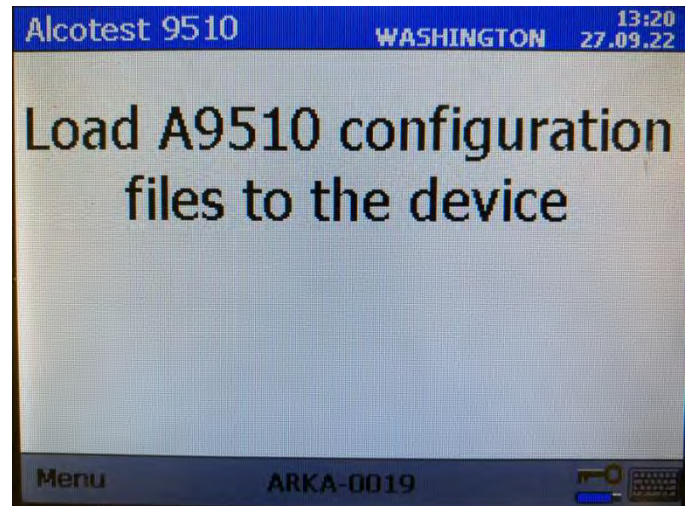
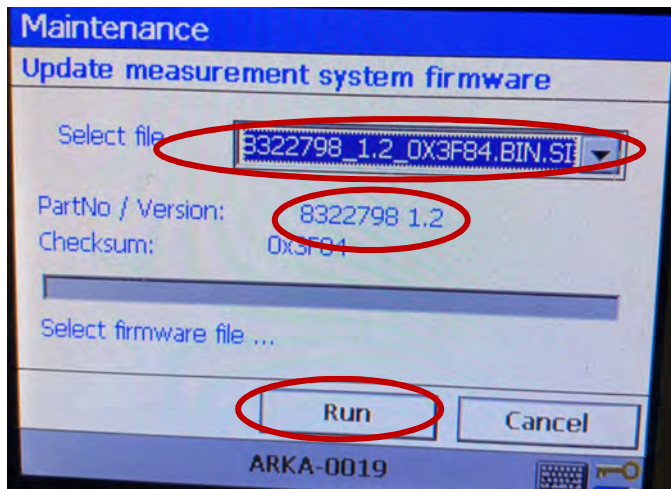
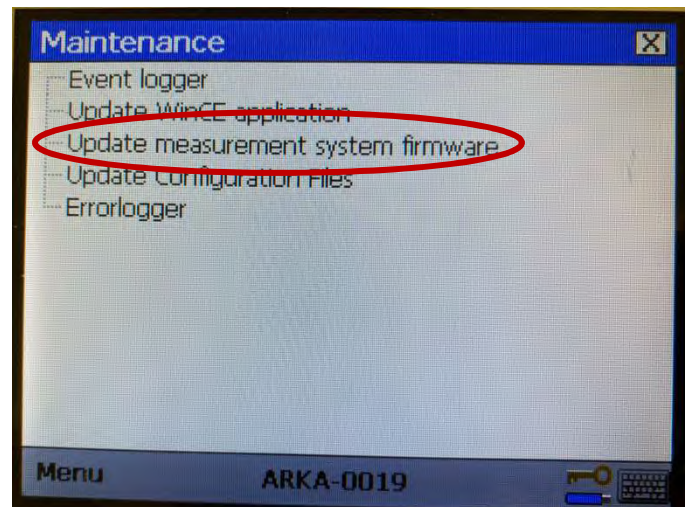
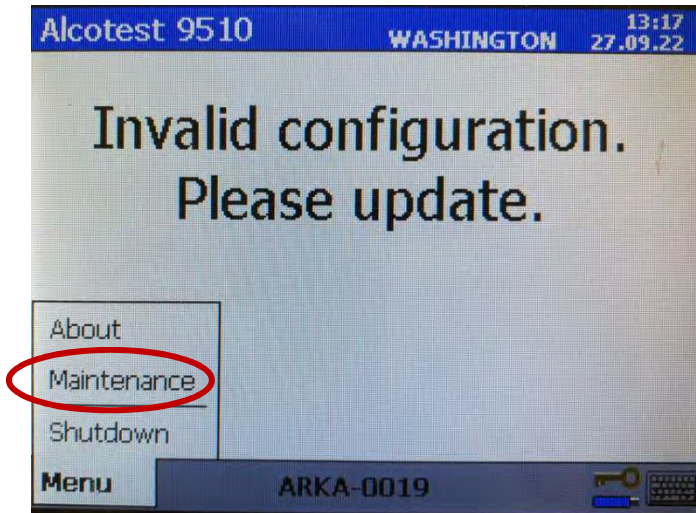
Step 11a: Reprint example



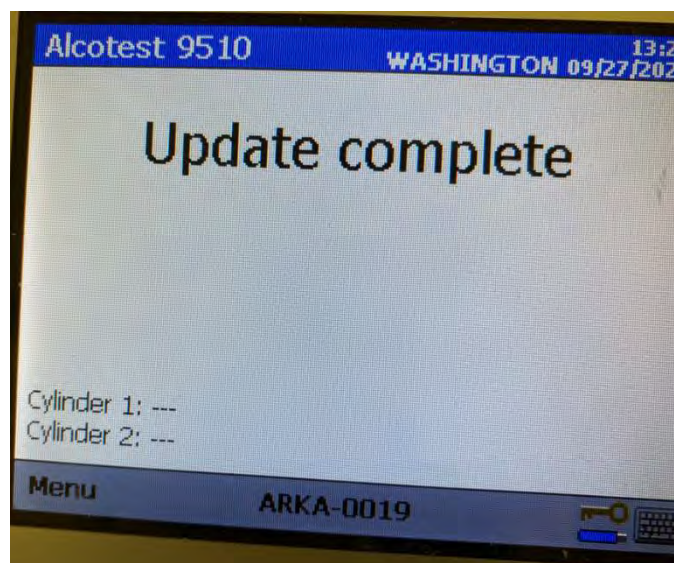
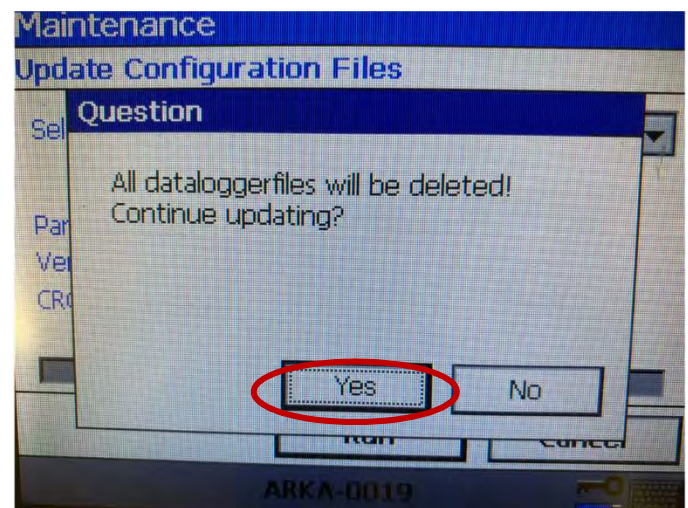
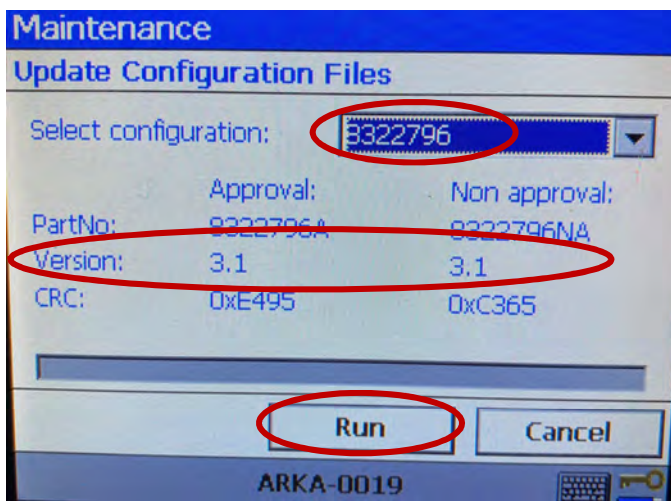
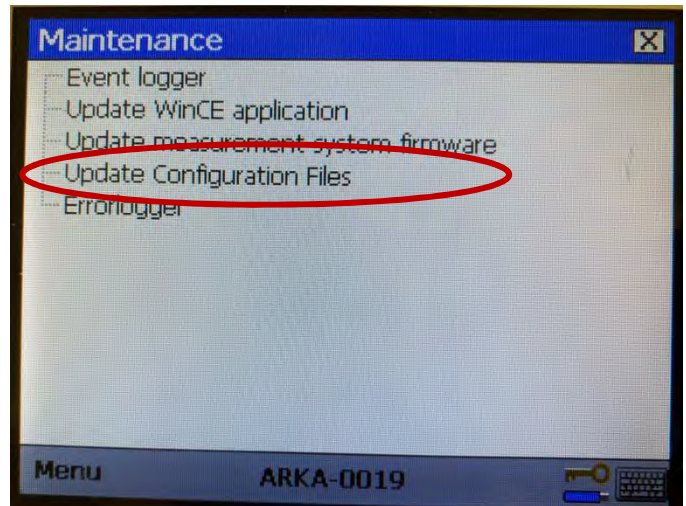
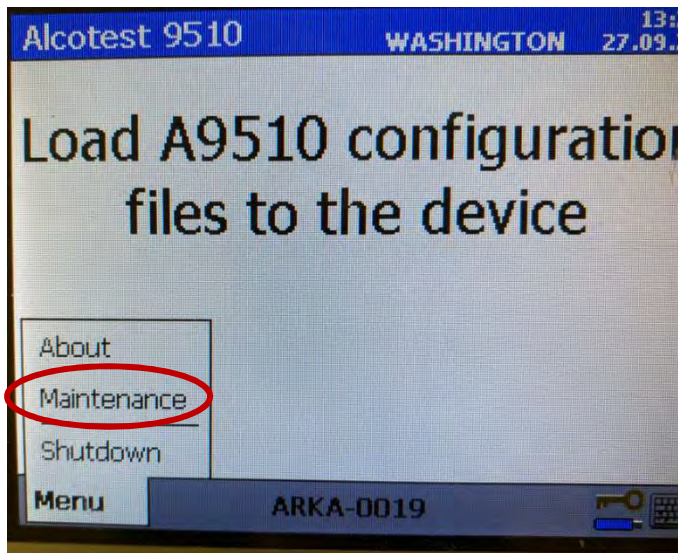
Update WinCE Application 8322797 version 5.14



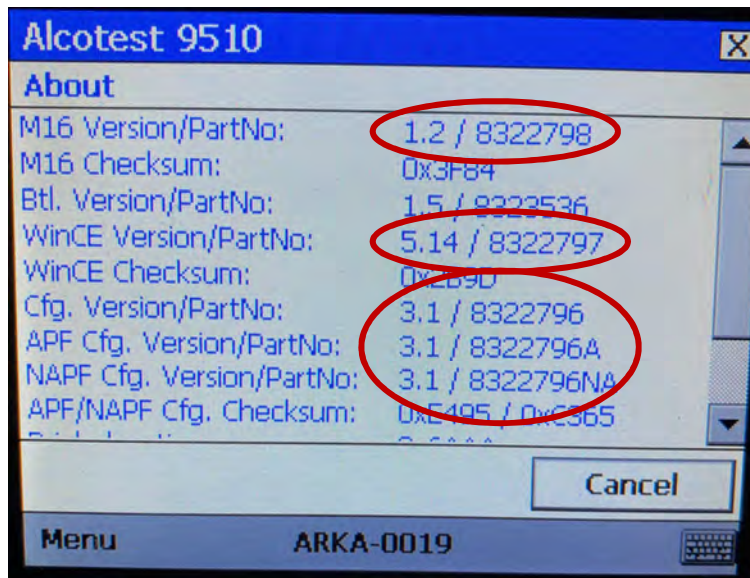
Update Measurement System Firmware 8322798 version 1.2



Update Configuration Files 8322796 version 3.0



Update Complete



Draeger Alcotest 9510
Version info

Date: 29.11.2022
Time: 14:35

Serial: ARKA-0019

M16 Ver: 1.2 / 8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5 / 8323536

WinCE Ver: 5.14 / 8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8

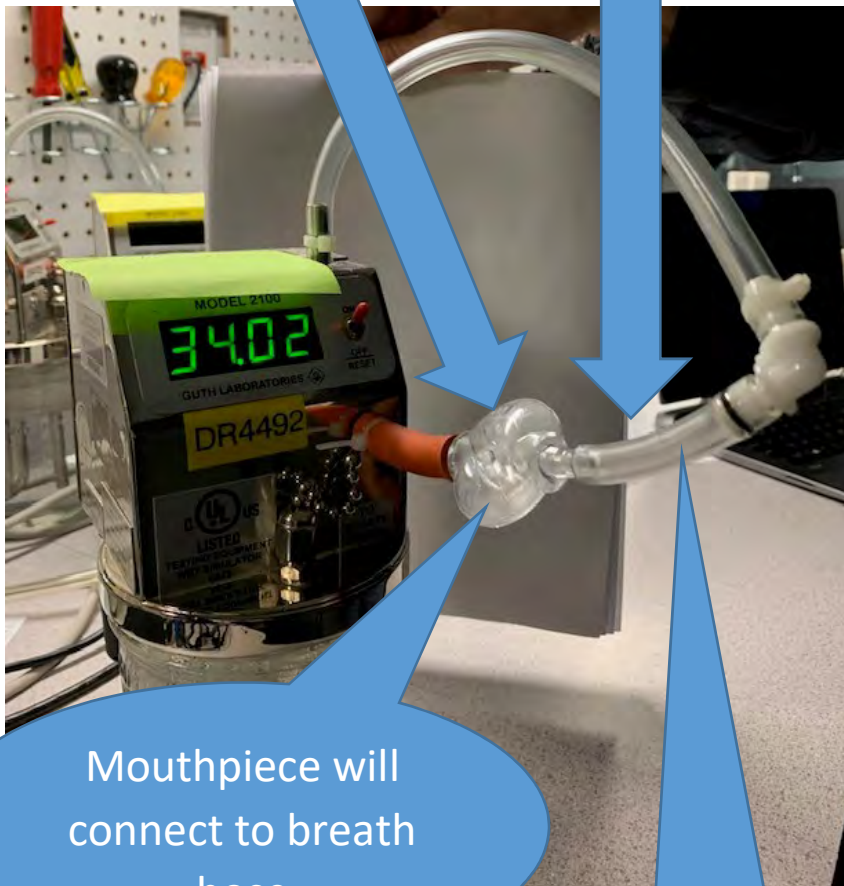
Cfg Ver: 3.1 / 8322796
AP Ver: 3.1 / 8322796A
NAP Ver: 3.1 / 8322796NA
AP/NAP CRC: 0xE495 / 0xC365

Drink. location: 0x6AAA
Lifecounter: 43405

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

Step 6A & B: INTERFERENT DETECTED & SAMPLES OUTSIDE 10%



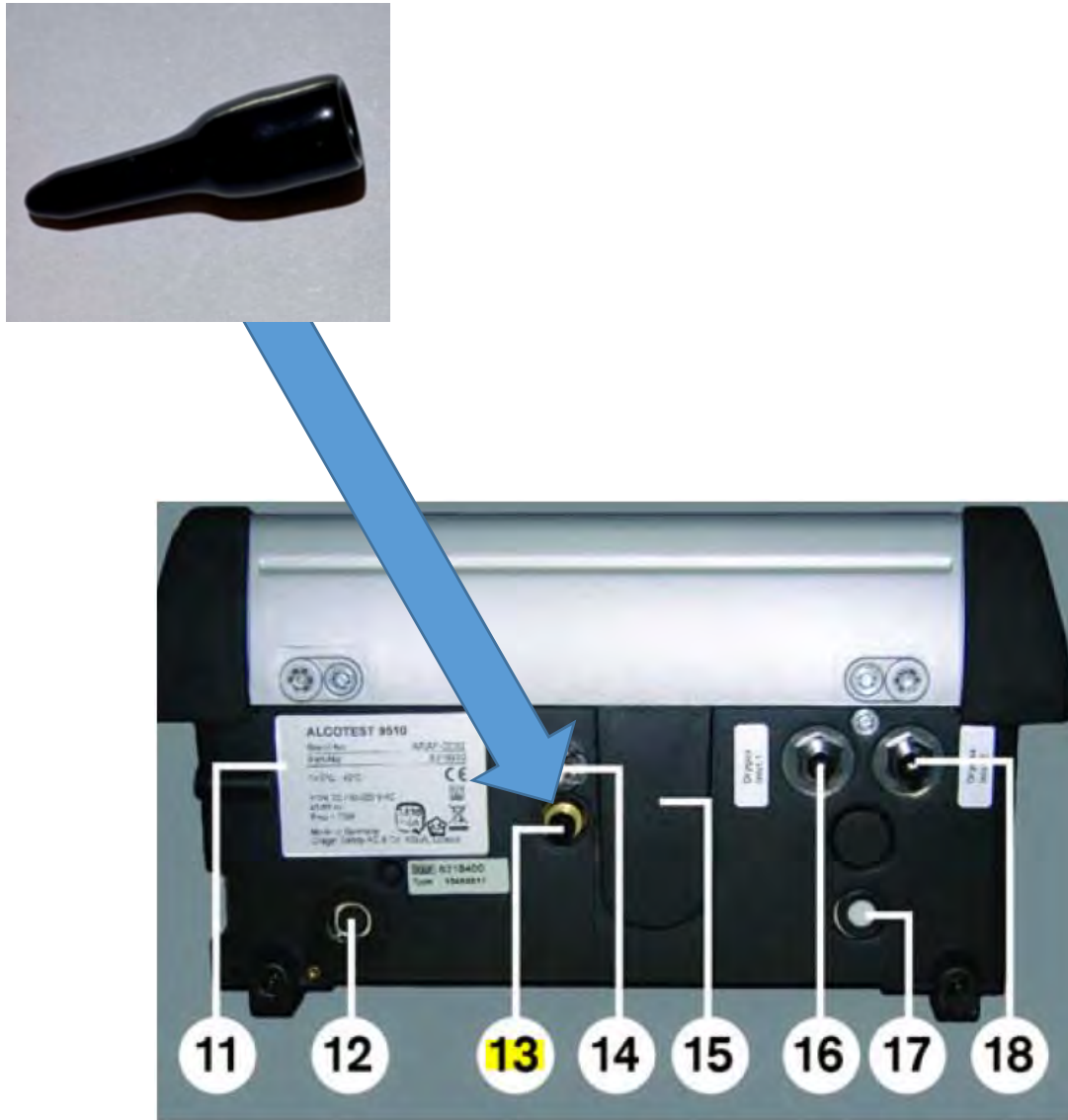
Mouthpiece will
connect to breath
hose

You will exhale into
a short piece of
tubing.

Step 6A & B: INTERFERENT DETECTED & SAMPLES OUTSIDE 10%



Step 14: CONDITIONAL DISABLING ALGORITHM



- 11 Type plate
- 12 Accessory socket (for interface of peripherals)
- 13 Cuvette Inlet (Simulator vapor inlet port)
- 14 Simulator pump outlet port
- 15 Exhaust port (cuvette outlet, protected against blockage)
- 16 Dry gas inlet 1 port(internally valved with electro solenoids)
- 17 Purge outlet port
- 18 Dry gas inlet 2 port(internally valved with electro solenoids)

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians:

Instrument Serial Number:

Date(s) Testing Performed:

Verify the
software
versions are
correct:

WINCE: 8322797 VERSION 5.14

M16: 8322798 VERSION 1.2

CONFIG: 8322796 VERSION 3.1

Affix the
initialed &
dated active
software
versions
printout here.

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED	<input type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input type="checkbox"/> Yes <input type="checkbox"/> No
INVALID SAMPLE	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.			
ii.			
iii.			
iv.			
v.			
vi.			
vii.			
viii.			
ix.			
x.			Summary time:
Comments			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9):

- ☐ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☐ Step 7p-q: Complete breath test (2 copies)
- ☐ Step 8: Incomplete
- ☐ Step 9: Refusal
- ☐ Step 10: Supervisory tests (2)
- ☐ Step 11: Reprint
- ☐ Step 12: Cylinder change

Technician worksheets

Version 5.14, 1.2, 3.1

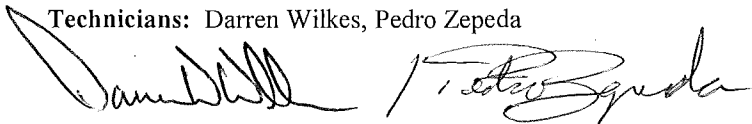
ARAF-0010
Trooper Darren Wilkes
&
Sergeant Pedro Zepeda
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians: Darren Wilkes, Pedro Zepeda



Instrument Serial Number: *ARAF-0010*

Date(s) Testing Performed: 12/22/2022

Draeger Alcotest 9510
Version info

Date: 22.12.2022
Time: 07:32

Serial: ARAF-0010

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536



WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8

Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365

Drink. location: 0x6AAA
Lifecounter: 1815

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA



12/22/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

12-22-2022

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (.04/.08)
INVALID SAMPLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments Everything worked as expected. Forgot to enter STEP6B into Dreager on that step (10%)	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.	0905	0905	Instrument started 16 minute countdown.
ii.	0906	0851	Started one minute countdown
iii.	0907	0906	Started 15 minute countdown
iv.	0908	0909	"observation start time" is valid between 0708 and 0908, did not continue
v.	0910	2000	Same as above 0710 and 0910, would not continue.
vi.	0911	0710	Same as above 0711 and 0911, would not continue
vii.	0912	0712	Allowed to proceed to testing.
viii.	0913	0712	"observation start time" is valid between 0713 and 0913, would not continue
ix.	0914	0715	Continued to testing
x.		0914	Summary time: 0914
Comments: worked as expected			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Joe's Log Cabin
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Had issues with card scanning, scanned on second try
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Not defaulted and all races are present
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Don't have any of the license listed or out of state
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	STEP7P, cal Standard Fail, re did step and passed
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

DW 1/2

12-22-2022

Comments: Had issues with scanner and would not scan BAC card or regular license. Scanned items on second attempt after starting sequence over.

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout(.08)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout (.095)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

DWJ / FB

12-22-2022

Comments Used .095 external gas

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9):

- ☐ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☐ Step 7p-q: Complete breath test (2 copies)
- ☐ Step 8: Incomplete
- ☐ Step 9: Refusal
- ☐ Step 10: Supervisory tests (2)
- ☐ Step 11: Reprint
- ☐ Step 12: Cylinder change

12-22-2022

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARAF-0010
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: WILKES/D
 TIME/DATE BEGAN: 07:36 12/22/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4516 THERM#: DR4516

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4539</u>		<u>DR4472</u>		<u>DR5936</u>		<u>DR4484</u>	
Sim Thermometer #	<u>DR4539</u>		<u>DR4472</u>		<u>DR5936</u>		<u>DR4484</u>	
QAP Batch #	<u>202111A</u>		<u>202110C</u>		<u>202111F</u>		<u>202106D</u>	
Reference Value	<u>0.0405</u>		<u>0.0806</u>		<u>0.1506</u>		<u>0.2006</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>	<u>0.148</u>	<u>0.145</u>	<u>0.199</u>	<u>0.193</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.199</u>	<u>0.195</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.148</u>	<u>0.146</u>	<u>0.199</u>	<u>0.194</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.199</u>	<u>0.195</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.080</u>	<u>0.079</u>	<u>0.148</u>	<u>0.146</u>	<u>0.198</u>	<u>0.194</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0800</u>	<u>0.0788</u>	<u>0.1484</u>	<u>0.1458</u>	<u>0.1988</u>	<u>0.1942</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0008</u>
Bias %	<u>-3.70</u>	<u>-3.70</u>	<u>-0.74</u>	<u>-2.23</u>	<u>-1.46</u>	<u>-3.19</u>	<u>-0.90</u>	<u>-3.19</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.51</u>	<u>0.34</u>	<u>0.27</u>	<u>0.20</u>	<u>0.41</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1309737 EXP DATE: 04/08/2023
 INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR4516
 ACETONE LOT#: TM20170323 THERM#: DR4516
 INVALID SAMPLE: YES
 REFERENCE BAROMETER S/N: 4100060G

COMMENTS:AS FOUND ESS RESULT: IR: EC: WILKES/D
Technician Name

Signature

0845 / 12-22-2022

Time/Date Procedure Completed

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/22/2022

STEP 7P
[Signature]
12-22-2022

Analysis Date: **12/22/2022**
Observation Period Began: **09:30**
Citation/Case Number: **STEP7P**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **DOE/ MARY/ JANE**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **302-402311366**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:06		
Internal Standard	VERIFIED	10:06		
Subject Sample 1			2.2	8.0
IR Result	0.000	10:07		
EC Result	0.000	10:07		
Blank Test	0.000	10:08		
External Standard IR	0.080	10:09		
External Standard EC	0.075	10:09		
Blank Test	0.000	10:10		
Subject Sample 2			2.2	8.4
IR Result	0.000	10:11		
EC Result	0.000	10:11		
Blank Test	0.000	10:11		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/22/2022

STEP 7A

DWD / JS

12-22-2022

Analysis Date: **12/22/2022**
Observation Period Began: **09:30**
Citation/Case Number: **STEP7P**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **DOE/ MARY/ JANE**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **302-402311366**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:06		
Internal Standard	VERIFIED	10:06		
Subject Sample 1			2.2	8.0
IR Result	0.000	10:07		
EC Result	0.000	10:07		
Blank Test	0.000	10:08		
External Standard IR	0.080	10:09		
External Standard EC	0.075	10:09		
Blank Test	0.000	10:10		
Subject Sample 2			2.2	8.4
IR Result	0.000	10:11		
EC Result	0.000	10:11		
Blank Test	0.000	10:11		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/22/2022

STEP 8
DWD / [Signature]
12-22-2022

Analysis Date: **12/22/2022**
Observation Period Began: **09:45**
Citation/Case Number: **STEP8**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **SAMPLE/ JOHN/ A**
Subject Date of Birth: **01/06/1958**
External Standard Lot: **302-402311366**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:17		
Internal Standard	VERIFIED	10:18		
Subject Sample 1			-----	-----
IR Result	-----	10:20		
EC Result	-----	10:20		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/22/2022

STEP 9

DWJ / [Signature]

12-22-2022

Analysis Date: **12/22/2022**
Observation Period Began: **10:00**
Citation/Case Number: **STEP9**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **HARRISON/ JOHN/ W**
Subject Date of Birth: **02/29/1960**
External Standard Lot: **302-402311366**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:24		
Internal Standard	VERIFIED	10:24		
Subject Sample 1			-----	-----
IR Result	-----	10:26		
EC Result	-----	10:26		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

Step 10
Washington State Patrol
Supervisor Test

Active #2
Tested #1

Test Date: 12/22/2022 10:35

Sequential Test #: 635

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARAF-0010

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	10:35
Blank Test	0.000	10:35
External Standard IR	0.095	10:35
External Standard EC	0.092	10:35
Blank Test	0.000	10:36
Diagnostic	OK	10:37

[Signature]
12-22-2022

Operator: _____

Signature: _____

Sig. Date: _____

Step 10
Washington State Patrol
Supervisor Test

Active #1
Tested #2

Test Date: 12/22/2022 10:31 Sequential Test #: 634

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARAF-0010

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	10:31
Blank Test	0.000	10:31
External Standard IR	0.078	10:31
External Standard EC	0.075	10:31
Blank Test	0.000	10:32
Diagnostic	OK	10:32

[Signature]
12-22-2022

Operator: _____

Signature: _____ Sig. Date: _____

REPRINT
11A

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARAF-0010
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/22/2022

DWD / [Signature]
12-22-2022

Analysis Date: **12/22/2022**
Observation Period Began: **10:00**
Citation/Case Number: **STEP9**
Operator Name: **WILKES/ DARREN/ W**
Subject Name: **HARRISON/ JOHN/ W**
Subject Date of Birth: **02/29/1960**
External Standard Lot: **302-402311366**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:24		
Internal Standard	VERIFIED	10:24		
Subject Sample 1			-----	-----
IR Result	-----	10:26		
EC Result	-----	10:26		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

Washington State Patrol
External Standard Change

STEP 12

Test Date: 12/22/2022
Location: WASHINGTON

Sequential Test #: 636

Breath Test Instrument Information

Model Serial Number QAP Date
Alcotest 9510 ARAF-0010 12/22/2022

[Signature]

12-22-2022

Drygas Cylinder External Standard Information

Lot Number Concentration Expiration Inlet
1309737 0.080 04/08/2023 CAL GAS INLET 1

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	10:43
External Standard IR	0.080	10:44
External Standard EC	0.077	10:44
Blank Test	0.000	10:45
External Standard IR	0.079	10:45
External Standard EC	0.077	10:45
Blank Test	0.000	10:46
External Standard IR	0.079	10:46
External Standard EC	0.078	10:46
Blank Test	0.000	10:47

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: DARREN WILKES

Signature: _____ Sig. Date: 12/22/2022

AREH-0024
Trooper John Axtman
&
Trooper Justin Rumsey
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians: JUSTIN RUMSEY / JOHN AXTMAN

Instrument Serial Number: AREH-0024

Date(s) Testing Performed: 12-14-2022

Draeger Alcotest 9510
Version info

Date: 14.12.2022
Time: 08:39

Serial: AREH-0024

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.6

Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365

Drink. location: 0x6AAA
Lifecounter: 54781

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

12-14-22

12-14-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
INVALID SAMPLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.	11:22	11:22	16 MIN COUNT DOWN TIMER
ii.	11:25	11:10	1 MIN COUNT DOWN TIMER
iii.	11:26	11:25	15 MIN COUNT DOWN TIMER
iv.	11:27	11:28	OBSERVATION START TIME IS VALID BETWEEN 0927 AND 1127
v.	11:28	23:28	OBSERVATION START TIME IS VALID BETWEEN 0928 AND 1128
vi.	11:29	09:00	OBSERVATION START TIME IS VALID BETWEEN 0929 AND 1129
vii.	11:30	09:30	PROCEEDED WITH DATA ENTRY
viii.	11:32	09:31	OBSERVATION START TIME IS VALID BETWEEN 0932 AND 1132
ix.	11:34	09:35 09:35	PROCEEDED WITH DATA ENTRY
x.		09:35	Summary time: 09:35
Comments			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HAD A CAL STANDARD AND NO TIGHT PRINTED OUT, MANUALLY PRINTED THE TIGHTER RESULTS.
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments <i>WIPED A 0.15 DRY GAS CYLINDER AND A 0.08 CYLINDER</i>	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments <i>DID ONE TEST WITH DISAGREEMENT REPORT STARTING AT 0140 THEN TIME CHANGE OCCURRED DURING THE TEST.</i>	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

12-14-22
[Signature]

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9):

- ☒ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☒ Step 7p-q: Complete breath test (2 copies)
- ☒ Step 8: Incomplete
- ☒ Step 9: Refusal
- ☒ Step 10: Supervisory tests (2)
- ☒ Step 11: Reprint
- ☒ Step 12: Cylinder change

Handwritten signature 12-14-22

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: AREH-0024
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: AXTMAN/RUMSEY
 TIME/DATE BEGAN: 08:43 12/14/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR2513 THERM#: DR2513

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
Sim Thermometer #	<u>DR4777</u>		<u>DR4978</u>		<u>DR4778</u>		<u>DR4544</u>	
QAP Batch #	<u>202111A</u>		<u>202203B</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0405</u>		<u>0.0807</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.040</u>	<u>0.039</u>	<u>0.080</u>	<u>0.078</u>	<u>0.149</u>	<u>0.144</u>	<u>0.200</u>	<u>0.193</u>
2	<u>0.039</u>	<u>0.040</u>	<u>0.079</u>	<u>0.078</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.194</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.079</u>	<u>0.149</u>	<u>0.146</u>	<u>0.200</u>	<u>0.194</u>
4	<u>0.039</u>	<u>0.040</u>	<u>0.079</u>	<u>0.079</u>	<u>0.149</u>	<u>0.145</u>	<u>0.200</u>	<u>0.194</u>
5	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.078</u>	<u>0.149</u>	<u>0.146</u>	<u>0.199</u>	<u>0.194</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0392</u>	<u>0.0396</u>	<u>0.0794</u>	<u>0.0784</u>	<u>0.1490</u>	<u>0.1454</u>	<u>0.1998</u>	<u>0.1938</u>
SD	<u>0.0004</u>	<u>0.0005</u>	<u>0.0005</u>	<u>0.0005</u>	<u>0.0000</u>	<u>0.0009</u>	<u>0.0004</u>	<u>0.0004</u>
Bias %	<u>-3.21</u>	<u>-2.22</u>	<u>-1.61</u>	<u>-2.85</u>	<u>-1.13</u>	<u>-3.52</u>	<u>-0.60</u>	<u>-3.58</u>
CV %	<u>1.02</u>	<u>1.26</u>	<u>0.63</u>	<u>0.64</u>	<u>0.00</u>	<u>0.62</u>	<u>0.20</u>	<u>0.21</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402371868 EXP DATE: 02/28/2025

INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR2513
 ACETONE LOT#: JM20190410 THERM#: DR2513

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SU

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

AXTMAN/RUMSEY
 Technician Name

Signature

0954 Am 12/14/2022
 Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/14/2022

Analysis Date: **12/14/2022**
Observation Period Began: **12:00**
Citation/Case Number: **STEP7P**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **TEST/ TE/ T**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:19		
Internal Standard	VERIFIED	12:20		
Subject Sample 1			2.0	7.3
IR Result	0.000	12:21		
EC Result	0.000	12:21		
Blank Test	0.000	12:22		
External Standard IR	0.080	12:22		
External Standard EC	0.075	12:22		
Blank Test	0.000	12:24		
Subject Sample 2			4.7	17.2
IR Result	0.000	12:25		
EC Result	0.000	12:25		
Blank Test	0.000	12:26		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

JOHN AXIMAN

JUSTIN RUMSEY

Date 12/14/22

Location: City/State

SPOILANE, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/14/2022

Analysis Date: **12/14/2022**
Observation Period Began: **12:00**
Citation/Case Number: **STEP7P**
Operator Name: **RUMSEY/ JUSTIN/ -**
Subject Name: **TEST/ TE/ T**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:19		
Internal Standard	VERIFIED	12:20		
Subject Sample 1			2.0	7.3
IR Result	0.000	12:21		
EC Result	0.000	12:21		
Blank Test	0.000	12:22		
External Standard IR	0.080	12:22		
External Standard EC	0.075	12:22		
Blank Test	0.000	12:24		
Subject Sample 2			4.7	17.2
IR Result	0.000	12:25		
EC Result	0.000	12:25		
Blank Test	0.000	12:26		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

Printed Name

JUSTIN RUMSEY JOHN AXTMAN

Date 12-14-2022

Location: City/State SPOKANE, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/14/2022

Analysis Date: **12/14/2022**
Observation Period Began: **12:05**
Citation/Case Number: **STEP8**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:30		
Internal Standard	VERIFIED	12:30		
Subject Sample 1			-----	-----
IR Result	-----	12:33		
EC Result	-----	12:33		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

[Signature] 951 *[Signature]*

Printed Name

JOHN AXTMAN JUSTIN RUMSEY

Date

12/14/2022 Location: City/State SPOKANE, WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/14/2022

Analysis Date: **12/14/2022**
Observation Period Began: **12:05**
Citation/Case Number: **STEP9**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:37		
Internal Standard	VERIFIED	12:37		
Subject Sample 1			-----	-----
IR Result	-----	12:38		
EC Result	-----	12:38		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

[Signature] 951 *[Signature]*

Printed Name

JOHN AXTMAN JUSTIN RUMSEY

Date

12/14/2022

Location: City/State

SPokane, WA

Washington State Patrol
Supervisor Test

Test Date: 12/14/2022 12:44 Sequential Test #: 1316

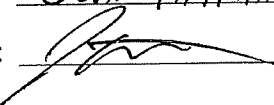
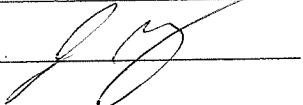
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AREH-0024

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	12:44
Blank Test	0.000	12:44
External Standard IR	0.145	12:44
External Standard EC	0.136	12:44
Blank Test	0.000	12:45
Diagnostic	OK	12:46

Operator: JOHN AXTMAN JUSTIN RUMSON

Signature:   Sig. Date: 12/14/22

Washington State Patrol
Supervisor Test

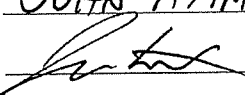
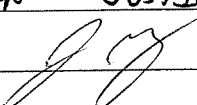
Test Date: 12/14/2022 12:48 Sequential Test #: 1317

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: AREH-0024

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	12:48
Blank Test	0.000	12:48
External Standard IR	0.078	12:48
External Standard EC	0.074	12:48
Blank Test	0.000	12:49
Diagnostic	OK	12:50

Operator: JOHN AXTMAN JUSTIN RUMSON
Signature:   Sig. Date: 12/14/2022

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER AREH-0024
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/14/2022

Re-PRINT

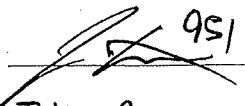
Analysis Date: **12/14/2022**
Observation Period Began: **12:05**
Citation/Case Number: **STEP9**
Operator Name: **AXTMAN/ JOHN/ G**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1428765**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	12:37		
Internal Standard	VERIFIED	12:37		
Subject Sample 1			-----	-----
IR Result	-----	12:38		
EC Result	-----	12:38		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature:  ⁹⁵¹
Printed Name: JOHN AXTMAN JUSTIN RUMSBY
Date: 12/14/2022 Location: City/State: SPokane, WA

Washington State Patrol
External Standard Change

Test Date: 12/14/2022 Sequential Test #: 1318
Location: WASHINGTON

Breath Test Instrument Information

Model Serial Number QAP Date
Alcotest 9510 AREH-0024 12/14/2022

Drygas Cylinder External Standard Information

Lot Number Concentration Expiration Inlet
302-402371868 0.080 02/28/2025 CAL GAS INLET 1

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	12:55
External Standard IR	0.080	12:56
External Standard EC	0.074	12:56
Blank Test	0.000	12:57
External Standard IR	0.080	12:57
External Standard EC	0.076	12:57
Blank Test	0.000	12:58
External Standard IR	0.079	12:58
External Standard EC	0.076	12:58
Blank Test	0.000	12:59

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: JUSTIN RUMSEY JOHN AXTMAN

Signature:   Sig. Date: 12/14/2022

ARKA-0072
Trooper Chris Hooper
&
Trooper Tanya Wright
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians:

Instrument Serial Number: C. Hooper / T. WRIGHT

Date(s) Testing Performed: 01/06/2023

Draeger Alcotest 9510
Version info

Date: 06.01.2023
Time: 07:42

Serial: ARKA-0072

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8

Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365

Drink. location: 0x6AAA
Lifecounter: 42881

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion: 527
WA

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED SAID INVALID SAMPLE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 1.5 ml & 3ml w/ 0807
SAMPLES OUTSIDE 10% .2010 & .0402	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SAID INVALID SAMPLE
INVALID SAMPLE (MOUTH WASH)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments ACETONE @0920	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.	0949	0949	16 MIN COUNTDOWN TIMER
ii.	0951	0936	1 MIN COUNTDOWN TIMER
iii.	0952	0951	15 MIN COUNTDOWN TIMER
iv.	0953	0954	OBS. START TIME IS VALID 0753-0953
v.	0954	2154	OBS. START TIME IS VALID 0754-0954
vi.	0955	0754	OBS. START TIME IS VALID 0755-0955
vii.	0956	0756	WAIT INTO DATA ENTRY
viii.	0957	0756	OBS. START TIME IS VALID 0757-0957
ix.	1002	0801	PROCEED W/ DATA ENTRY
x.		0802	Summary time: 0802
Comments			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>delayed notification</i>
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	<i>Placed self out of service but displayed wrong code when breath hose was blocked by hand it stated inhalation detected</i>

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	<i>DSN</i> 06/22/2023

Draeger Generated Documents (9):

- ☒ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☒ Step 7p-q: Complete breath test (2 copies)
- ☒ Step 8: Incomplete
- ☒ Step 9: Refusal
- ☒ Step 10: Supervisory tests (2)
- ☒ Step 11: Reprint
- ☒ Step 12: Cylinder change

Washington State Patrol Breath Test Program

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKA-0072
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: C. HOOPER
 TIME/DATE BEGAN: 07:47 01/06/2023

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4767 THERM#: DR4767

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4531</u>		<u>DR4536</u>		<u>DR4492</u>		<u>DR4768</u>	
Sim Thermometer #	<u>DR4531</u>		<u>DR4536</u>		<u>DR4492</u>		<u>DR4768</u>	
QAP Batch #	<u>202205C</u>		<u>202203B</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0402</u>		<u>0.0807</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.150</u>	<u>0.145</u>	<u>0.199</u>	<u>0.192</u>
2	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.150</u>	<u>0.146</u>	<u>0.199</u>	<u>0.193</u>
3	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.148</u>	<u>0.146</u>	<u>0.200</u>	<u>0.194</u>
4	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.148</u>	<u>0.145</u>	<u>0.199</u>	<u>0.193</u>
5	<u>0.039</u>	<u>0.039</u>	<u>0.079</u>	<u>0.078</u>	<u>0.148</u>	<u>0.145</u>	<u>0.199</u>	<u>0.193</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0390</u>	<u>0.0390</u>	<u>0.0790</u>	<u>0.0780</u>	<u>0.1488</u>	<u>0.1454</u>	<u>0.1992</u>	<u>0.1930</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0011</u>	<u>0.0005</u>	<u>0.0004</u>	<u>0.0007</u>
Bias %	<u>-2.99</u>	<u>-2.99</u>	<u>-2.11</u>	<u>-3.35</u>	<u>-1.26</u>	<u>-3.52</u>	<u>-0.90</u>	<u>-3.98</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.74</u>	<u>0.34</u>	<u>0.20</u>	<u>0.36</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402431368 EXP DATE: 05/10/2025

INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR4767
 ACETONE LOT#: JV20190410 THERM#: DR4767

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SZ

COMMENTS:

AS FOUND ESS RESULT:

T. F. Wright

C. HOOPER
 Technician Name

IR: N/A

EC: N/A

#526

Signature

1/6/23 0900

1/6/23 0900

Time/Date Procedure Completed


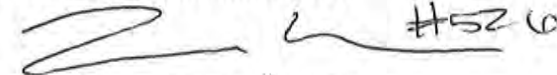
**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0072
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 01/06/2023

Analysis Date: **01/06/2023**
Observation Period Began: **09:30**
Citation/Case Number: **123ABC**
Operator Name: **HOOPER/ CHRISTOPHER/ W**
Subject Name: **WASHINGTON/ ID/ WSPTESTREC**
Subject Date of Birth: **06/06/1976**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:12		
Internal Standard	VERIFIED	10:13		
Subject Sample 1			1.8	7.5
IR Result	0.000	10:14		
EC Result	0.000	10:14		
Blank Test	0.000	10:15		
External Standard IR	0.079	10:15		
External Standard EC	0.078	10:15		
Blank Test	0.000	10:17		
Subject Sample 2			2.1	8.7
IR Result	0.000	10:17		
EC Result	0.000	10:17		
Blank Test	0.000	10:18		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature   #5260
Printed Name C. Hooper T.K. Wright
Date 1/6/23 Location: City/State Seattle, WA

STEP 7P

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
 ALCOTEST 9510 SERIAL NUMBER ARKA-0072
 SOFTWARE VERSION 8322798 1.2
 CONFIGURATION VERSION 8322796 3.1
 DATE OF LAST QAP: 01/06/2023

Analysis Date: **01/06/2023**
 Observation Period Began: **09:30**
 Citation/Case Number: **123ABC**
 Operator Name: **HOOPER/ CHRISTOPHER/ W**
 Subject Name: **WASHINGTON/ ID/ WSPTESTREC**
 Subject Date of Birth: **06/06/1976**
 External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:12		
Internal Standard	VERIFIED	10:13		
Subject Sample 1			1.8	7.5
IR Result	0.000	10:14		
EC Result	0.000	10:14		
Blank Test	0.000	10:15		
External Standard IR	0.079	10:15		
External Standard EC	0.078	10:15		
Blank Test	0.000	10:17		
Subject Sample 2			2.1	8.7
IR Result	0.000	10:17		
EC Result	0.000	10:17		
Blank Test	0.000	10:18		

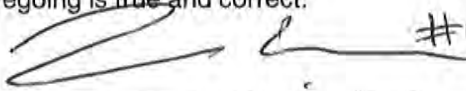
During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 1/6/23 Location: City/State Seattle, WA

 #526
 T. K. Wright

STEP 8

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0072
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 01/06/2023

Analysis Date: **01/06/2023**
Observation Period Began: **10:00**
Citation/Case Number: **STEP8**
Operator Name: **HOOPER/ CHRISTOPHER/ W**
Subject Name: **WASHINGTON/ ID/ WSPTESTREC**
Subject Date of Birth: **06/06/1976**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:22		
Internal Standard	VERIFIED	10:22		
Subject Sample 1			-----	-----
IR Result	-----	10:25		
EC Result	-----	10:25		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

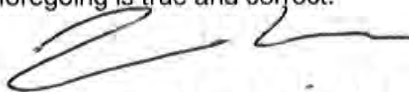
During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 1/6/23 Location: City/State Seattle, WA

 #526
T.K. Wright

STEP9

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0072
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 01/06/2023

Analysis Date: **01/06/2023**
Observation Period Began: **10:00**
Citation/Case Number: **STEP8**
Operator Name: **HOOPER/ CHRISTOPHER/ W**
Subject Name: **WASHINGTON/ ID/ WSPTESTREC**
Subject Date of Birth: **06/06/1976**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:26		
Internal Standard	VERIFIED	10:26		
Subject Sample 1			-----	-----
IR Result	-----	10:27		
EC Result	-----	10:27		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

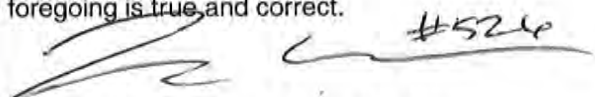
During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 1/6/23 Location: City/State Seattle, WA

 #5246
T.K. Wright

**Washington State Patrol
Supervisor Test**Test Date: 01/06/2023 10:37 Sequential Test #: 1349**Breath Test Instrument Information**Model Alcotest 9510 Serial Number: ARKA-0072**External Standard Test Details**

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	10:37
Blank Test	0.000	10:37
External Standard IR	0.079	10:37
External Standard EC	0.077	10:37
Blank Test	0.000	10:38
Diagnostic	OK	10:38

Operator: C. McCrearySignature: [Signature] Sig. Date: 1/6/23

Operator: T. K. WRIGHT

Signature: [Signature] #0224

01/06/2023

**Washington State Patrol
Supervisor Test**Test Date: 01/06/2023 10:39 Sequential Test #: 1350**Breath Test Instrument Information**Model Alcotest 9510 Serial Number: ARKA-0072**External Standard Test Details**

Function	Result g/210L	Time HH:MM
Diagnostic	OK	10:39
Blank Test	0.000	10:39
External Standard IR	0.097	10:40
External Standard EC	0.093	10:40
Blank Test	0.000	10:40
Diagnostic	OK	10:41

Operator: C. HooperSignature: [Signature] Sig. Date: 1/6/23Operator: T. K. WrightSignature: [Signature] #526

01/06/2023

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKA-0072
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 01/06/2023

Analysis Date: **01/06/2023**
Observation Period Began: **09:00**
Citation/Case Number: **TEST**
Operator Name: **HOOPER/ C/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **302-402246244**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:21		
Internal Standard	VERIFIED	09:21		
Subject Sample 1			1.8	7.8
IR Result	0.090	09:22		
EC Result	0.081	09:22		
Blank Test	0.000	09:24		
External Standard IR	0.079	09:24		
External Standard EC	0.080	09:24		
Blank Test	0.000	09:26		
Subject Sample 2			-----	-----
IR Result	-----	09:26		
EC Result	-----	09:26		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

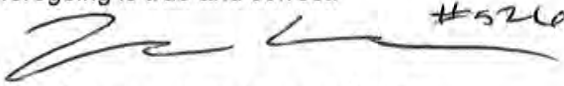
During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name C. Hooper

Date 1/6/23 Location: City/State Seattle, WA

 #526
T.K. Wright

**Washington State Patrol
External Standard Change**

Test Date: 01/06/2023 Sequential Test #: 1351
 Location: WASHINGTON

Breath Test Instrument Information

Model Serial Number QAP Date
Alcotest 9510 ARKA-0072 01/06/2023

Drygas Cylinder External Standard Information

Lot Number Concentration Expiration Inlet
302-402246244 0.080 10/12/2024 CAL GAS INLET 1

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	10:45
External Standard IR	0.079	10:46
External Standard EC	0.077	10:46
Blank Test	0.000	10:47
External Standard IR	0.079	10:47
External Standard EC	0.077	10:47
Blank Test	0.000	10:48
External Standard IR	0.078	10:48
External Standard EC	0.077	10:48
Blank Test	0.000	10:49


External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: C HOOPER

Signature:  Sig. Date: 01/06/2023

operator: T. K. Wright

Signature:  #524

01/06/2023

ARKC-0022
Forensic Scientist Ruth Cramer
&
Trooper Mike Qunell
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians: Mike Qunell Ruth Cramer
Instrument Serial Number: ARKC-0022
Date(s) Testing Performed: December 13, 2022

M 12/13/22
Draeger Alcotest 9510
Version info
Date: 13.12.2022
Time: 06:27
Serial: ARKC-0022
M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536
WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8
Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365
Drink. location: 0x6AAA
Lifecounter: 24288
Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029
Version:

M 12/13/22
Cramer 12/13/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

M. Zull 12/13/22

Cramer 12/13/22

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
INVALID SAMPLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.	08:10	08:10	Timer Started at 16:00 count down
ii.	08:11	07:56	Timer Started at 1:00 count down
iii.	08:12	08:11	Timer Started at 15:00 count down
iv.	08:14	08:15	Observation start time valid between 6:14+8:14
v.	08:16	10:00	Observation start time valid between 6:16+8:16
vi.	08:17	06:00	Observation start time valid between 6:17+8:17
vii.	08:18	06:18	Test continued
viii.	08:19	06:18	Observation start time valid between 6:19+8:19
ix.	08:20	06:21	Test continued
x.		06:21	Summary time: 06:21
Comments			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

M. Zell 12/13/22
Kramer 12/13/22

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments Test continued correctly after Restart Test selected in step 8	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

M Lull 12/13/22
Kramer 12/13/22

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9):

- ☒ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☒ Step 7p-q: Complete breath test (2 copies)
- ☒ Step 8: Incomplete
- ☒ Step 9: Refusal
- ☒ Step 10: Supervisory tests (2)
- ☒ Step 11: Reprint
- ☒ Step 12: Cylinder change

M Zell 12/13/22
Riameer 12/13/22

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKC-0022
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: QUNELL/M
 TIME/DATE BEGAN: 06:32 12/13/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4524 THERM#: DR4524

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4480</u>		<u>DR4969</u>		<u>DR4990</u>		<u>DR4760</u>	
Sim Thermometer #	<u>DR4480</u>		<u>DR4969</u>		<u>DR4990</u>		<u>DR4760</u>	
QAP Batch #	<u>202205C</u>		<u>202203B</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0402</u>		<u>0.0807</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	IR	EC	IR	EC	IR	EC	IR	EC
1	<u>0.040</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.151</u>	<u>0.148</u>	<u>0.202</u>	<u>0.197</u>
2	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.149</u>	<u>0.202</u>	<u>0.198</u>
3	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.149</u>	<u>0.201</u>	<u>0.198</u>
4	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.149</u>	<u>0.201</u>	<u>0.198</u>
5	<u>0.039</u>	<u>0.040</u>	<u>0.080</u>	<u>0.080</u>	<u>0.150</u>	<u>0.149</u>	<u>0.201</u>	<u>0.197</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0392</u>	<u>0.0400</u>	<u>0.0800</u>	<u>0.0800</u>	<u>0.1502</u>	<u>0.1488</u>	<u>0.2014</u>	<u>0.1976</u>
SD	<u>0.0004</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0005</u>	<u>0.0005</u>
Bias %	<u>-2.49</u>	<u>-0.50</u>	<u>-0.87</u>	<u>-0.87</u>	<u>-0.33</u>	<u>-1.26</u>	<u>0.20</u>	<u>-1.69</u>
CV %	<u>1.02</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.27</u>	<u>0.27</u>	<u>0.25</u>	<u>0.25</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402371868 EXP DATE: 02/28/2025

INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR4524
 ACETONE LOT#: AH20180206 THERM#: DR4524

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SY

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

QUNELL/M
 Technician Name

M Zell
 Signature

0740 12/13/22
 Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **08:00**
Citation/Case Number: **STEP7D**
Operator Name: **TRAINER/ SIR/ -**
Subject Name: **MARTINO/ JULIANE/ -**
Subject Date of Birth: **05/14/1979**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:37		
Internal Standard	VERIFIED	08:38		
Subject Sample 1			1.9	5.8
IR Result	0.000	08:39		
EC Result	0.000	08:39		
Blank Test	0.000	08:40		
External Standard IR	0.083	08:40		
External Standard EC	0.080	08:40		
Blank Test	0.000	08:42		
Subject Sample 2			1.9	5.8
IR Result	0.000	08:42		
EC Result	0.000	08:42		
Blank Test	0.000	08:43		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M. Zell 12/13/22
Ricamor 12/13/22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **08:00**
Citation/Case Number: **STEP7D**
Operator Name: **TRAINER/ SIR/ -**
Subject Name: **MARTINO/ JULIANE/ -**
Subject Date of Birth: **05/14/1979**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:37		
Internal Standard	VERIFIED	08:38		
Subject Sample 1			1.9	5.8
IR Result	0.000	08:39		
EC Result	0.000	08:39		
Blank Test	0.000	08:40		
External Standard IR	0.083	08:40		
External Standard EC	0.080	08:40		
Blank Test	0.000	08:42		
Subject Sample 2			1.9	5.8
IR Result	0.000	08:42		
EC Result	0.000	08:42		
Blank Test	0.000	08:43		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M. Lull 12/13/22
Trainer 12/13/22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **08:00**
Citation/Case Number: **STEP8**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:47		
Internal Standard	VERIFIED	08:47		
Subject Sample 1			-----	-----
IR Result	-----	08:50		
EC Result	-----	08:50		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M. Zell 12/13/22
Cramer 12/13/22

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **08:00**
Citation/Case Number: **STEP8**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

*Selected Restart after
Step 8, test continued correctly.
Selected Incomplete again.*

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:51		
Internal Standard	VERIFIED	08:52		
Subject Sample 1			-----	-----
IR Result	-----	08:52		
EC Result	-----	08:52		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **TEST INCOMPLETE**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M. Lull 12/13/22
Kramer 12/13/22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **08:00**
Citation/Case Number: **STEP9**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:55		
Internal Standard	VERIFIED	08:55		
Subject Sample 1			-----	-----
IR Result	-----	08:56		
EC Result	-----	08:56		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M. Jull 12/13/22
Kramer 12/13/22

Washington State Patrol
Supervisor Test

Test Date: 12/13/2022 08:59

Sequential Test #: 402

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARKC-0022

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	08:59
Blank Test	0.000	08:59
External Standard IR	0.270	09:00
External Standard EC	0.255	09:00
Blank Test	0.000	09:00
Diagnostic	OK	09:01

Operator: _____

Signature: _____ Sig. Date: _____

M Lull 12/13/22
Cramer 12/13/22

Washington State Patrol
Supervisor Test

Test Date: 12/13/2022 09:02

Sequential Test #: 403

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARKC-0022

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	09:02
Blank Test	0.000	09:02
External Standard IR	0.029	09:03
External Standard EC	0.027	09:03
Blank Test	0.000	09:03
Diagnostic	OK	09:04

Operator: _____

Signature: _____ Sig. Date: _____

MLL 12/13/22
Kramer 12/13/22

Reprint #11

WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **08:00**
Citation/Case Number: **STEP9**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **AG909902**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	08:55		
Internal Standard	VERIFIED	08:55		
Subject Sample 1			-----	-----
IR Result	-----	08:56		
EC Result	-----	08:56		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M Lull 12/13/22
Ricame 12/13/22

**Washington State Patrol
External Standard Change**

Test Date: 12/13/2022 Sequential Test #: 404
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKC-0022</u>	<u>12/31/2050</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>1329490</u>	<u>0.080</u>	<u>05/12/2023</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result g/210L	Time HH:MM
Blank Test	0.000	09:10
External Standard IR	0.079	09:10
External Standard EC	0.077	09:10
Blank Test	0.000	09:12
External Standard IR	0.079	09:12
External Standard EC	0.078	09:12
Blank Test	0.000	09:13
External Standard IR	0.079	09:13
External Standard EC	0.078	09:13
Blank Test	0.000	09:14

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: MICHAEL QUNELL

Signature: _____ Sig. Date: 12/13/2022

M. Qunell 12/13/22
Michael 12/13/22

Reprint #14A

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKC-0022
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/31/2050

Analysis Date: **12/13/2022**
Observation Period Began: **09:00**
Citation/Case Number: **STEP14A**
Operator Name: **QUNELL/ M/ K**
Subject Name: **TEST/ TEST/ **
Subject Date of Birth: **01/01/1950**
External Standard Lot: **1329490**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:31		
Internal Standard	VERIFIED	09:31		
Subject Sample 1			2.0	6.0
IR Result	0.000	09:32		
EC Result	0.000	09:32		
Blank Test	0.000	09:33		
External Standard IR	0.029	09:33		
External Standard EC	0.028	09:33		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Not Complete: Status Code 21

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature _____

Printed Name _____

Date _____ Location: City/State _____

M Lull 12/13/22
R. Ames 12/13/22

ARKD-0019
Trooper Kyle Dahl
&
Trooper Nate Dashiell
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians: K. Dahl/ N. Dashiell

Instrument Serial Number: ARKD-0019

Date(s) Testing Performed: 12/20/2022

Draeger Alcotest 9510
Version info

Date: 20.12.2022
Time: 08:07

Serial: ARKD-0019

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8

Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365

Drink. location: 0x6AAA
Lifecounter: 43683

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

D. Dahl

12/20/2022

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

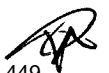
Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
INVALID SAMPLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.	1037	1037	Draeger displayed 16 minute count down timer
ii.	1038	1023	Draeger displayed 1 minute count down timer
iii.	1039	1038	Draeger displayed 15 minute count down timer
iv.	1040	1041	Gave error stating "Observation start time is valid between "8:40 and 10:40"
v.	1041	2200	Gave error stating "Observation start time is valid between "8:41 and 10:41"
vi.	1042	0800	Gave error stating "Observation start time is valid between "8:42 and 10:42"
vii.	1043	0843	Continued as expected
viii.	1044	0843	Gave error stating "Observation start time is valid between "8:44 and 10:44"
ix.	1045	0846	Continued as expected
x.		0846	Summary time: 0846
Comments			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		



DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	



DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	<i>[Signature]</i> 06/22/2023

Draeger Generated Documents (9):

- ☒ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☒ Step 7p-q: Complete breath test (2 copies)
- ☒ Step 8: Incomplete
- ☒ Step 9: Refusal
- ☒ Step 10: Supervisory tests (2)
- ☒ Step 11: Reprint
- ☒ Step 12: Cylinder change



DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARKD-0019
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: KYLE DAHL
 TIME/DATE BEGAN: 08:14 12/20/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR4529 THERM#: DR4529

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4776</u>		<u>DR4481</u>		<u>DR4486</u>		<u>DR4980</u>	
Sim Thermometer #	<u>DR4776</u>		<u>DR4481</u>		<u>DR4486</u>		<u>DR4980</u>	
QAP Batch #	<u>202205C</u>		<u>202203B</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0402</u>		<u>0.0807</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.039</u>	<u>0.040</u>	<u>0.081</u>	<u>0.081</u>	<u>0.153</u>	<u>0.150</u>	<u>0.190</u>	<u>0.184</u>
2	<u>0.039</u>	<u>0.040</u>	<u>0.081</u>	<u>0.081</u>	<u>0.152</u>	<u>0.150</u>	<u>0.195</u>	<u>0.191</u>
3	<u>0.040</u>	<u>0.040</u>	<u>0.081</u>	<u>0.081</u>	<u>0.151</u>	<u>0.150</u>	<u>0.198</u>	<u>0.193</u>
4	<u>0.039</u>	<u>0.041</u>	<u>0.081</u>	<u>0.081</u>	<u>0.151</u>	<u>0.150</u>	<u>0.198</u>	<u>0.195</u>
5	<u>0.039</u>	<u>0.040</u>	<u>0.081</u>	<u>0.081</u>	<u>0.151</u>	<u>0.149</u>	<u>0.199</u>	<u>0.195</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0392</u>	<u>0.0402</u>	<u>0.0810</u>	<u>0.0810</u>	<u>0.1516</u>	<u>0.1498</u>	<u>0.1960</u>	<u>0.1916</u>
SD	<u>0.0004</u>	<u>0.0004</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0009</u>	<u>0.0004</u>	<u>0.0037</u>	<u>0.0046</u>
Bias %	<u>-2.49</u>	<u>0.00</u>	<u>0.37</u>	<u>0.37</u>	<u>0.60</u>	<u>-0.60</u>	<u>-2.49</u>	<u>-4.68</u>
CV %	<u>1.02</u>	<u>1.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.59</u>	<u>0.27</u>	<u>1.89</u>	<u>2.40</u>

COMPLETE BREATH TEST: YES ESS LOT#: 1440917 EXP DATE: 01/29/2024

INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR4529
 ACETONE LOT#: KD20220601 THERM#: DR4529

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 4100060H

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

KYLE DAHL
Technician Name

Signature

0961/12-20-22
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/20/2022

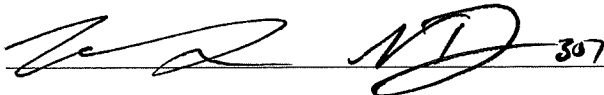
Analysis Date: **12/20/2022**
Observation Period Began: **10:30**
Citation/Case Number: **7D**
Operator Name: **DASHIELL/ N/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:57		
Internal Standard	VERIFIED	10:57		
Subject Sample 1			2.3	6.5
IR Result	0.000	10:58		
EC Result	0.000	10:58		
Blank Test	0.000	10:59		
External Standard IR	0.081	11:00		
External Standard EC	0.078	11:00		
Blank Test	0.000	11:01		
Subject Sample 2			2.4	5.9
IR Result	0.000	11:02		
EC Result	0.000	11:02		
Blank Test	0.000	11:03		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature

 307

Printed Name KYLE DAIL N. DASHIELL

Date 12-20-22 Location: City/State KITSON CO / WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/20/2022

Analysis Date: **12/20/2022**
Observation Period Began: **10:30**
Citation/Case Number: **7D**
Operator Name: **DASHIELL/ N/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:57		
Internal Standard	VERIFIED	10:57		
Subject Sample 1			2.3	6.5
IR Result	0.000	10:58		
EC Result	0.000	10:58		
Blank Test	0.000	10:59		
External Standard IR	0.081	11:00		
External Standard EC	0.078	11:00		
Blank Test	0.000	11:01		
Subject Sample 2			2.4	5.9
IR Result	0.000	11:02		
EC Result	0.000	11:02		
Blank Test	0.000	11:03		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature  381

Printed Name KYLE DAHL N. DASHIELL

Date 12-20-22 Location: City/State KITAP CO / WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/20/2022

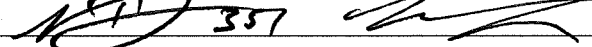
Analysis Date: **12/20/2022**
Observation Period Began: **10:30**
Citation/Case Number: **TEST**
Operator Name: **DASHIELL/ N/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:08		
Internal Standard	VERIFIED	11:08		
Subject Sample 1			-----	-----
IR Result	-----	11:10		
EC Result	-----	11:10		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **TEST INCOMPLETE**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name N. DASHIELL K. DAHL

Date 12/20/2022 Location: City/State KIRKLAND CO / WA

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/20/2022


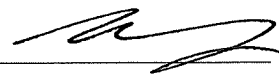
Analysis Date: **12/20/2022**
Observation Period Began: **11:00**
Citation/Case Number: **TEST**
Operator Name: **DASHIELL/ N/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT2_6789012345678901234**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:18		
Internal Standard	VERIFIED	11:19		
Subject Sample 1			-----	-----
IR Result	-----	11:19		
EC Result	-----	11:19		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: **SUBJECT REFUSED**

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature  361 

Printed Name N. DASHIELL L. DAHL

Date 12/20/2022 Location: City/State KIRKLAND CO/WA

Washington State Patrol
Supervisor Test

Test Date: 12/20/2022 11:22 Sequential Test #: 550

Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKD-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:22
Blank Test	0.000	11:22
External Standard IR	0.098	11:22
External Standard EC	0.094	11:22
Blank Test	0.000	11:23
Diagnostic	OK	11:24

Operator: K. DAHL N. DASHIELL

Signature:  367 Sig. Date: 12-20-22

CYLINDER 1

Washington State Patrol
Supervisor Test

Test Date: 12/20/2022 11:28 Sequential Test #: 552

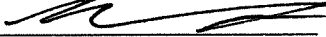
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARKD-0019

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	11:28
Blank Test	0.000	11:28
External Standard IR	0.081	11:28
External Standard EC	0.077	11:28
Blank Test	0.000	11:29
Diagnostic	OK	11:30

Operator:  367 K. DAHL

Signature: N. DASHNELL  Sig. Date: 12/20/2022

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARKD-0019
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/20/2022

Analysis Date: **12/20/2022**
Observation Period Began: **11:00**
Citation/Case Number: **TEST**
Operator Name: **DASHIELL/ N/ -**
Subject Name: **TEST/ TEST/ -**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **LOT2_6789012345678901234**



Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	11:18		
Internal Standard	VERIFIED	11:19		
Subject Sample 1			-----	-----
IR Result	-----	11:19		
EC Result	-----	11:19		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

REPRINT

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature  351 

Printed Name N. DASHIELL K. DAHL

Date 12/20/2022 Location: City/State Kitsap Co/WA

**Washington State Patrol
External Standard Change**

Test Date: 12/20/2022 Sequential Test #: 553
Location: WASHINGTON

Breath Test Instrument Information

Model	Serial Number	QAP Date
<u>Alcotest 9510</u>	<u>ARKD-0019</u>	<u>12/20/2022</u>

Drygas Cylinder External Standard Information

Lot Number	Concentration	Expiration	Inlet
<u>302-402246244</u>	<u>0.080</u>	<u>10/12/2024</u>	<u>CAL GAS INLET 1</u>

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Blank Test	0.000	11:36
External Standard IR	0.074	11:36
External Standard EC	0.072	11:36
Blank Test	0.000	11:38
External Standard IR	0.074	11:38
External Standard EC	0.073	11:38
Blank Test	0.000	11:39
External Standard IR	0.073	11:39
External Standard EC	0.073	11:39
Blank Test	0.000	11:40

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: N DASHIELL N.DASHIELL K. DAHL

Signature:  Sig. Date: 12/20/2022

ARJN-0023
Sergeant Susan Harbour
&
Trooper Kate LeCount
Version 5.14, 1.2, 3.1

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Software Validation Documentation

Technicians: *K. LECOUNT / S. HARBOUR*

Instrument Serial Number: *ARJN-0023*

Date(s) Testing Performed: *12.15.2022*

Draeger Alcotest 9510
Version info

Date: 15.12.2022
Time: 07:47

Serial: ARJN-0023

M16 Ver: 1.2/8322798
M16 Checksum: 0x3F84
BTL Ver: 1.5/8323536

WinCE Ver: 5.14/8322797
WinCE Checksum: 0x2B9D
WinCE ImageVer: 1.8

Cfg Ver: 3.1/8322796
AP Ver: 3.1/8322796A
NAP Ver: 3.1/8322796NA
AP/NAP CRC: 0xE495/0xC365

Drink. location: 0x6AAA
Lifecounter: 34184

Config files:
RecordData_095
InternalPrinterCfg_026
TextsInternalPrt_039
FontsInternalPrt_001
Parameter_039
MeasProc_135
WinCeCfg_053
ExternalPrtCfg_106
Texts1ExternalPrt_066
AccessRights_029

Subversion:
WA

[Signature]
12/15/22

[Signature]
12/15/22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

INTERFERENT DETECTED, INVALID SAMPLE, AND SAMPLES OUTSIDE 10% (Step 6)

Type of scenario	Instrument reacted as intended (yes/no)
INTERFERENT DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SAMPLES OUTSIDE 10%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
INVALID SAMPLE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Observation times (Step 7)

	Draeger Displayed Time	Entered Time	Result
i.	0934	0934	16 min
ii.	0935	0920	1 min
iii.	0936	0935	15 min
iv.	0937	0938	" obs time valid 0737 & 0937 "
v.	0938	2138	" obs time valid 0738 & 0938 "
vi.	0939	0735	" obs time valid 0739 & 0939 "
vii.	0940	0740	Cont. Sequence
viii.	0941	0740	" obs time valid 0741 & 0941 "
ix.	0942	0743	Cont sequence - summary 0743
x.		0743	Summary time: 0743
Comments			

Data entry (Step 7)

Type of data	Instrument reacted as intended (yes/no)	Comments
Operator Observed Subject Entire Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	message to complete obsv.
Subject Smoke, Vomit, Put Anything in Mouth	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	" to restart w/obsv
Citation/Case Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
County of Arrest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Crime Arrested For	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Collision Involved	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject drinking at specific drinking establishment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PBT Given	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan Operator Card	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Ethnic Group	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject Driver License State	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Scan WA, OR, ID, and/or NY Licenses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
License manual entry	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DURING STEP 8
Gender "X"	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Summary Screen	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Breath Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Printed Documents (two by default)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Comments		

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Breath Test Scenarios (Steps 7 - 9)

Type of scenario	Instrument reacted as intended (yes/no)
Not meeting sampling parameter, then continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meeting sampling parameters (complete breath test)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Allow two minutes to pass – Verify "Refusal" & "Incomplete" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Press "Stop" – verify "Refusal," "Incomplete," & "Continue" are displayed/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>1 Doc Printed</i>
Comments	

Supervisor Test (Step 10)

Type of scenario	Instrument reacted as intended (yes/no)
Active Cylinder 1; Cylinder set to 2 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>706</i>
Active Cylinder 2; Cylinder set to 1 during Supervisor Test/Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Reprint function (Step 11)

Type of scenario	Instrument reacted as intended (yes/no)
Verify information is displayed on the "Reprint screen" after selecting a record to be reprinted. Reprint selected document.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Verify identified items ARE listed as reprint options	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cylinder Change (Step 12)

Type of scenario	Instrument reacted as intended (yes/no)
Cylinder Change & Printout	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Daylight Saving Time Change (Step 13)

Type of scenario	Instrument reacted as intended (yes/no)
Time change on March 12, 2023	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time change on November 6, 2022	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Conditional Disabling Algorithm – Evidential Mode (Step 14A through 14D)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

12-15-22
12-15-22

DRAEGER ALCOTEST 9510 SOFTWARE VALIDATION

- WINCE: 8322797 VERSION 5.14
- M16: 8322798 VERSION 1.2
- CONFIG: 8322796 VERSION 3.1

Conditional Disabling Algorithm – Training Mode (Step 14E through 14H)

Type of scenario	Instrument Out of Service (yes/no)
CAL. STANDARD FAILED – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by BLOWING NOT ALLOWED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by INHALATION DETECTED then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CAL. STANDARD FAILED – followed by CHECK AIRWAY then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Evidential Mode (Step 15A)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Cal gas supply status code – Training Mode (Step 15B)

Type of scenario	Instrument Out of Service (yes/no)
CAL GAS SUPPLY – allowed to continue then placed into Evidential Mode	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Polling Data (Step 16)

Verify polling data reflects information from breath test (gender selection, license information, etc).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Comments	

Draeger Generated Documents (9):

- ☒ Step 5: DRAEGER ALCOTEST 9510 CALIBRATION/ ADJUSTMENT RECORD
- ☒ Step 7p-q: Complete breath test (2 copies)
- ☒ Step 8: Incomplete
- ☒ Step 9: Refusal
- ☒ Step 10: Supervisory tests (2)
- ☒ Step 11: Reprint
- ☒ Step 12: Cylinder change

K. DeBour 12/27/22
B. D. D. 12/21/22

DRAEGER ALCOTEST 9510 CALIBRATION/ADJUSTMENT RECORD

SERIAL NUMBER: ARJN-0023
 SOFTWARE VER.: 8322798 1.2
 CONFIG. VER.: 8322796 3.1
 TECHNICIAN: LECOUNT/K/E
 TIME/DATE BEGAN: 07:50 12/15/2022

CALIBRATION ADJUSTMENT PERFORMED: YES
 BATCH#: 202108D REF VALUE: 0.0803 SIM#: DR3067 THERM#: DR3067

CALIBRATION PROCEDURE

Results Units g/210L

Simulator #	<u>DR4986</u>		<u>DR4779</u>		<u>DR4773</u>		<u>DR3067</u>	
Sim Thermometer #	<u>DR4986</u>		<u>DR4779</u>		<u>DR4773</u>		<u>DR3067</u>	
QAP Batch #	<u>202205C</u>		<u>202110C</u>		<u>202203C</u>		<u>202111G</u>	
Reference Value	<u>0.0402</u>		<u>0.0806</u>		<u>0.1507</u>		<u>0.2010</u>	
Sim Temp 34.0°C ± 0.2°C Before?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>	<u>IR</u>	<u>EC</u>
1	<u>0.041</u>	<u>0.041</u>	<u>0.083</u>	<u>0.081</u>	<u>0.155</u>	<u>0.151</u>	<u>0.205</u>	<u>0.198</u>
2	<u>0.041</u>	<u>0.041</u>	<u>0.083</u>	<u>0.082</u>	<u>0.155</u>	<u>0.152</u>	<u>0.207</u>	<u>0.201</u>
3	<u>0.041</u>	<u>0.041</u>	<u>0.083</u>	<u>0.083</u>	<u>0.155</u>	<u>0.152</u>	<u>0.209</u>	<u>0.202</u>
4	<u>0.041</u>	<u>0.041</u>	<u>0.083</u>	<u>0.083</u>	<u>0.155</u>	<u>0.152</u>	<u>0.209</u>	<u>0.202</u>
5	<u>0.041</u>	<u>0.041</u>	<u>0.083</u>	<u>0.083</u>	<u>0.156</u>	<u>0.152</u>	<u>0.209</u>	<u>0.202</u>
Sim Temp 34.0°C ± 0.2°C After?	<u>YES</u>		<u>YES</u>		<u>YES</u>		<u>YES</u>	
Mean	<u>0.0410</u>	<u>0.0410</u>	<u>0.0830</u>	<u>0.0824</u>	<u>0.1552</u>	<u>0.1518</u>	<u>0.2078</u>	<u>0.2010</u>
SD	<u>0.0000</u>	<u>0.0000</u>	<u>0.0000</u>	<u>0.0009</u>	<u>0.0004</u>	<u>0.0004</u>	<u>0.0018</u>	<u>0.0017</u>
Bias %	<u>1.99</u>	<u>1.99</u>	<u>2.98</u>	<u>2.23</u>	<u>2.99</u>	<u>0.73</u>	<u>3.38</u>	<u>0.00</u>
CV %	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>1.09</u>	<u>0.26</u>	<u>0.26</u>	<u>0.87</u>	<u>0.85</u>

COMPLETE BREATH TEST: YES ESS LOT#: 302-402371868 EXP DATE: 02/28/2025

INTERFERENCE TEST: YES BATCH#: 202108D SIM#: DR2045
 ACETONE LOT#: KL20190419 THERM#: DR2045

INVALID SAMPLE: YES

REFERENCE BAROMETER S/N: 410004SV

COMMENTS:

AS FOUND ESS RESULT: IR: N/A EC: N/A

LECOUNT/K/E
Technician Name

Signature

08:58 12.15.22
Time/Date Procedure Completed

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **08:45**
Citation/Case Number: **STEP6A**
Operator Name: **LECOUNT/ KATE/ E**
Subject Name: **ACETONE/ TEST/ 6A**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:13		
Internal Standard	VERIFIED	09:13		
Subject Sample 1			-----	-----
IR Result	-----	09:13		
EC Result	-----	09:13		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *KE LECOUNT 747*

Printed Name *KE LECOUNT 747*

Date *12.15.22* Location: City/State *WSP VANCOUVER LAB*

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **08:45**
Citation/Case Number: **STEP6A**
Operator Name: **LECOUNT/ KATE/ E**
Subject Name: **ACETONE/ TEST/ 6A**
Subject Date of Birth: **01/01/1950**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:13		
Internal Standard	VERIFIED	09:13		
Subject Sample 1			-----	-----
IR Result	-----	09:13		
EC Result	-----	09:13		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *[Signature]*

Printed Name KE LECOUNT 747

Date 12.15.22 Location: City/State WSP VAN CONVER LAB


**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **09:00**
Citation/Case Number: **STEP7P**
Operator Name: **LECOUNT/ KATE/ E**
Subject Name: **DOE/ MARY/ JANE**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:50		
Internal Standard	VERIFIED	09:51		
Subject Sample 1			1.7	6.2
IR Result	0.000	09:52		
EC Result	0.000	09:52		
Blank Test	0.000	09:53		
External Standard IR	0.082	09:53		
External Standard EC	0.079	09:53		
Blank Test	0.000	09:55		
Subject Sample 2			1.7	6.2
IR Result	0.000	09:55		
EC Result	0.000	09:55		
Blank Test	0.000	09:56		


During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature  747

Printed Name K.E. LECOUNT 747

Date 12.15.22 Location: City/State WSP VANCOUVER LAB


12-15-22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **09:00**
Citation/Case Number: **STEP7P**
Operator Name: **LECOUNT/ KATE/ E**
Subject Name: **DOE/ MARY/ JANE**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	09:50		
Internal Standard	VERIFIED	09:51		
Subject Sample 1			1.7	6.2
IR Result	0.000	09:52		
EC Result	0.000	09:52		
Blank Test	0.000	09:53		
External Standard IR	0.082	09:53		
External Standard EC	0.079	09:53		
Blank Test	0.000	09:55		
Subject Sample 2			1.7	6.2
IR Result	0.000	09:55		
EC Result	0.000	09:55		
Blank Test	0.000	09:56		

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.


I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KE LeCount 747

Date 12.15.22 Location: City/State WSP VANCOUVER LAB

2ND Copy

 #214
12-15-22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **09:40**
Citation/Case Number: **STEP8**
Operator Name: **LECOUNT/ KATHLEEN/ E**
Subject Name: **DOE/ MARY/ JANE**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:02		
Internal Standard	VERIFIED	10:03		
Subject Sample 1			-----	-----
IR Result	-----	10:05		
EC Result	-----	10:05		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *K E LECOUNT 747*

Printed Name *K E LECOUNT 747*

Date *12.15.22* Location: City/State *WSP VANCOUVER LAB*

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **09:50**
Citation/Case Number: **STEP9**
Operator Name: **LECOUNT/ KATHLEEN/ E**
Subject Name: **BBBBB BBBBBB/ BBBBBBBB/ BBB**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:10		
Internal Standard	VERIFIED	10:11		
Subject Sample 1			-----	-----
IR Result	-----	10:11		
EC Result	-----	10:11		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: SUBJECT REFUSED

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.

I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature *KE LECOUNT 747*

Printed Name *KE. LECOUNT 747*

Date *12.15.22* Location: City/State *WSP VANCOUVER LAB*

Washington State Patrol
Supervisor Test

Test Date: 12/15/2022 10:15

Sequential Test #: 709

Breath Test Instrument Information

Model Alcotest 9510

Serial Number: ARJN-0023

External Standard Test Details

Function	Result g/210L	Time HH:MM
Diagnostic	OK	10:15
Blank Test	0.000	10:15
External Standard IR	0.101	10:16
External Standard EC	0.098	10:16
Blank Test	0.000	10:16
Diagnostic	OK	10:17

Operator: *KE LeCount 747* KE. LECOUNT

Signature: *KE LeCount 747* Sig. Date: 12/15/22

KE LeCount 747
12/15/22

Washington State Patrol
Supervisor Test

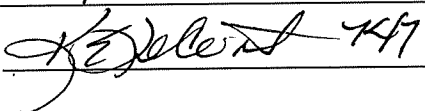
Test Date: 12/15/2022 10:18 Sequential Test #: 710

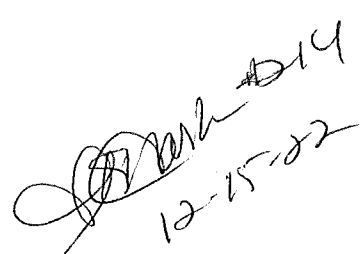
Breath Test Instrument Information

Model Alcotest 9510 Serial Number: ARJN-0023

External Standard Test Details

Function	Result <u>g/210L</u>	Time <u>HH:MM</u>
Diagnostic	OK	10:18
Blank Test	0.000	10:18
External Standard IR	0.050	10:19
External Standard EC	0.049	10:19
Blank Test	0.000	10:19
Diagnostic	OK	10:20

Operator: KELECOUNT 747
Signature:  Sig. Date: 12.15.22


12-15-22

**WASHINGTON STATE PATROL
EVIDENTIARY SUBJECT TEST**
ALCOTEST 9510 SERIAL NUMBER ARJN-0023
SOFTWARE VERSION 8322798 1.2
CONFIGURATION VERSION 8322796 3.1
DATE OF LAST QAP: 12/15/2022

Analysis Date: **12/15/2022**
Observation Period Began: **09:40**
Citation/Case Number: **STEP8**
Operator Name: **LECOUNT/ KATHLEEN/ E**
Subject Name: **DOE/ MARY/ JANE**
Subject Date of Birth: **05/03/1970**
External Standard Lot: **893108**

Breath Analysis	Result g/210L	Time hh:mm	Volume liters	Blowtime seconds
Blank Test	0.000	10:02		
Internal Standard	VERIFIED	10:03		
Subject Sample 1			-----	-----
IR Result	-----	10:05		
EC Result	-----	10:05		
Blank Test	-----	--:--		
External Standard IR	-----	--:--		
External Standard EC	-----	--:--		
Blank Test	-----	--:--		
Subject Sample 2			-----	-----
IR Result	-----	--:--		
EC Result	-----	--:--		
Blank Test	-----	--:--		

Test Result: TEST INCOMPLETE

During this test, I followed all protocols set in place by the Washington State Toxicologist for the purposes of this test. At the time of this test I was certified to operate the Alcotest 9510 and possessed a valid permit issued by the State Toxicologist. I observed the subject during the entire observation period and during that time they did not eat, drink, smoke, vomit, or place any foreign substances in their mouth.


I declare under penalty of perjury under the law of Washington that the foregoing is true and correct.

Officer Signature 

Printed Name KE LECOUNT 747

Date 12-15-22 Location: City/State WSP VAN Couver LAB

REPRINT STEP 11
07/06/2023


12-15-22

Washington State Patrol
External Standard Change

Test Date: 12/15/2022 Sequential Test #: 711
Location: WASHINGTON

Breath Test Instrument Information

Model Serial Number QAP Date
Alcotest 9510 ARJN-0023 12/15/2022

Drygas Cylinder External Standard Information

Lot Number Concentration Expiration Inlet
1495472 0.080 05/13/2024 CAL GAS INLET 1

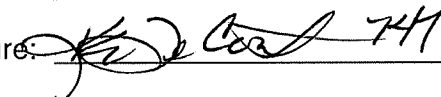
External Standard Test Details


Function	Result g/210L	Time HH:MM
Blank Test	0.000	10:26
External Standard IR	0.085	10:26
External Standard EC	0.082	10:26
Blank Test	0.000	10:27
External Standard IR	0.085	10:27
External Standard EC	0.083	10:27
Blank Test	0.000	10:29
External Standard IR	0.085	10:29
External Standard EC	0.083	10:29
Blank Test	0.000	10:29

External Standard Change Results: CYLINDER INSTALLATION SUCCESSFUL

Operator Information

Operator: KATHLEEN LECOUNT

Signature:  Sig. Date: 12/15/2022

 #214
12/15/22