



August 29<sup>th</sup>, 2024

Washington State Patrol  
Toxicology Laboratory Division  
2203 Airport Way S  
Seattle WA, 98134

RE: Washington State Blood Alcohol Collection Kits

Blood Alcohol Collection Kits  
Reorder Number: BA-2WA

TTF Lot No.	Kit Serial No.	Kit Exp.	Tube Lot No.	Tube Exp.	Prep Pad Exp.
77339	N/A	1/31/26	406824	1/31/2026	N/A

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OCT 15 2024

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Cardinal Health  
1222 Sherwood Road  
Norfolk, NE 68701  
402.371.9010 main

[cardinalhealth.com](http://cardinalhealth.com)

## CERTIFICATE OF COMPLIANCE

TO: Tri Tech Forensics

P.O. NO. 97396

LOT NO. 406824

ITEM: 8881352796

QUANTITY: 100,000

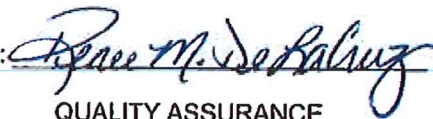
DRAWING NO. NA

CUSTOMER PART NO. NA

THIS IS TO CERTIFY THAT THE MATERIAL SHIPPED ON THE NOTED PURCHASE ORDER WAS MADE IN ACCORDANCE TO BLUEPRINTS, SPECIFICATIONS AND PERTINENT REQUIREMENTS AS SPECIFIED BY CARDINALHEALTH. INDIVIDUAL INSPECTION RECORDS ARE AVAILABLE UPON REQUEST FOR SPECIFIC LOTS.

29 MAR 2024

DATE

BY: 

QUALITY ASSURANCE

FM20013768 Rev 2

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Cardinal Health  
1222 Sherwood Road  
Norfolk, NE 68701  
402.371.9010 main



cardinalhealth.com

**CERTIFICATE OF STERILITY**  
**Blood Collection**

To:

This is to certify that the product meets all the sterility requirements as specified by Cardinal Health with a sterility assurance level of  $10^{-3}$ . The lot was Gamma radiation sterilized and dosimetric released in accordance with Cardinal Health procedures, the AAMI recommended practice and the Quality System Regulation (QSR). All dosimetry requirements were satisfied, and the dosimetry is traceable to a recognized standard.

Item TT-BCS GRA 16X100 10ML P.O.-F

LOT NO. 406824

HRI No. 8881352796

Sterilization Date: 03/28/24

The Sterilization Process at Cardinal Health has been established and validated in accordance with ISO 11137, Sterilization of Healthcare Products. All established dosage requirements are traceable to this nationally recognized standard.

Products to be sterilized are separated into product families based on product characteristics. Validation is conducted for each product family. Periodic monitoring is conducted via dose audits and bio-burden testing. The frequency of testing is based on the requirements of ISO 11137.

The Sterility Assurance Level (SAL) for the sterilized products is established in accordance with ANSI/AAMI ST67:2011, Sterilization of health care products-Requirements and guidance for selecting a sterility assurance level (SAL) for products labeled "sterile"

All validation data and individual protocols are maintained at Cardinal Health.

By: [Signature]  
Sterilization

DATE: 03-28-24

By: [Signature]  
Quality Assurance

DATE: 29 MAR 2024

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Reference Document No:  
GS10000229

DC00074376 Rev 2

BLOOD COLLECTION LOT CONTROL  
FINAL TUBE ASSAY RELEASE  
GS10001646

LOT NO.: 406824 | HRI NO.: 8881-352796

Sodium Fluoride: A5543  
Potassium Oxalate: A5506

TEST RESULTS

Lot #: 406824  
HRI: 8881-352796  
Assay: Potassium Oxalate  
Test Date: 3/27/2024  
Notebook Reference: Tube Assay #02  
Specification: 15.0-26.0 mg/tube

Lot #: 406824  
HRI: 8881-352796  
Assay: Sodium Fluoride  
Test Date: 3/27/2024  
Notebook Reference: Tube Assay #02  
Specification: 88.0 - 112.0 mg/tube

ml titer	mg/tube	mg/tube
23.90	21.57 P	95.5 P
21.80	19.67 P	98.2 P
26.90	24.28 P	109.0 P
26.00	23.46 P	109.0 P
24.90	22.47 P	108.0 P
24.80	22.38 P	108.0 P
23.40	21.12 P	103.0 P
24.20	21.84 P	111.0 P
24.00	21.66 P	111.0 P
24.10	21.75 P	101.0 P

MEAN: 22.02  
STD DEV: 1.259

MEAN: 105.4  
STD DEV: 5.549

Tested By: A.Ahlmann

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*AAhlmann 3/27/24*

*AAhlmann 3/27/24*

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RELEASED BY: *AAhlmann* | DATE: 3.27.24

FM20008183 Rev 3

ORIGINAL

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ThermoFisher  
SCIENTIFIC

*Spencer 10-18-22*  
QA APPROVED  
*D. H. 11-28-22*

Certificate of Analysis

1 Reagent Lane  
Fair Lawn, NJ 07410  
201.796.7100 tel  
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	S299	Quality Test / Release Date	08/04/2022
Lot Number	224362		
Description	SODIUM FLUORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Mar/2025

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White powder.
ASSAY	%	>= 99	100.0
CHLORIDE	%	<= 0.005	<0.005
HEAVY METALS (as Pb)	%	<= 0.003	<0.003
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.02	0.01
IRON (Fe)	%	<= 0.003	<0.003
LOSS ON DRYING @ 105 C	%	<= 0.3	0.1
POTASSIUM (K)	%	<= 0.02	0.003
SODIUM FLUOSILICATE	%	<= 0.1	<0.1
SULFATE (SO4)	%	<= 0.03	<0.03
SULFITE	%	<= 0.005	<0.005
TITRATABLE ACID	MEQ/G	<= 0.03	<0.03
TITRATABLE BASE	MEQ/G	<= 0.01	<0.01

Ira Marootian - Quality Control Manager - Fair Lawn

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Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
If there are any questions with this certificate, please call at (800) 227-6701.  
\*Based on suggested storage condition.

Potassium Oxalate, Monohydrate, Crystal  
BAKER ANALYZED® A.C.S. Reagent

avantor™



ORIGINAL

*5-10-22*  
QA APPROVED  
*Alvin S 0722*

Material No.: 3212-05  
Batch No.: 22D2561018  
Manufactured Date: 2021-12-02  
Retest Date: 2028-11-30  
Revision No.: 0

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements.

Test	Specification	Result
ACS - Assay ( $K_2C_2O_4 \cdot H_2O$ )	98.5 - 101.0 %	99.2 %
ACS - Insoluble Matter	$\leq 0.01$ %	< 0.01 %
ACS - Neutrality	Passes Test	Passes Test
ACS - pH of 5% Solution at 25°C	7.0 - 8.5	8.2
ACS - Chloride (Cl)	$\leq 0.002$ %	< 0.002 %
ACS - Sulfate ( $SO_4$ )	$\leq 0.01$ %	< 0.01 %
ACS - Ammonium ( $NH_4$ )	$\leq 0.002$ %	< 0.002 %
ACS - Heavy Metals (as Pb)	$\leq 0.002$ %	< 0.002 %
ACS - Iron (Fe)	$\leq 0.001$ %	< 0.001 %
ACS - Sodium (Na)	$\leq 0.02$ %	< 0.02 %
ACS - Substances Darkened by Hot $H_2SO_4$	Passes Test	Passes Test

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA  
Packaging Site: Paris Mfg Ctr & DC

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*James Ethier*  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087, U.S.A. Phone 610.386.1700

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### **TUG10 OEM Statement**

The Tri-Tech Forensics, Inc. (TTF) gray stoppered 10ml blood tubes, product number TUG10 are made under TTF FDA 510(K) number K922342. These tubes are privately labeled and manufactured by Cardinal Health solely for Tri-Tech Forensics and are Cardinal Health product number 8881352796.

#### Tube Specifications

10ml – 16x100 mm

Potassium Oxalate = 15.0 - 26.0 mg/tube

Sodium Fluoride = 88.0 – 112.0 mg/tube

Sincerely

A handwritten signature in blue ink that reads "Eric A. Barton".

Eric Barton  
Vice President