



Cardinal Health
1222 Sherwood Road
Norfolk, NE 68701
402.371.9010 main

cardinalhealth.com

CERTIFICATE OF COMPLIANCE

TO: Tri Tech Forensics

P.O. NO. 90155

LOT NO. 219 292

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.

30 Jun 2022

DATE

BY: [Signature]

QUALITY ASSURANCE

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. 219292

HRI No. 8881352796

Sterilization Date: 6/16/2022

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: C. Hessler
Sterilization

DATE: 6-17-22

By: Ann M. DeAluz
Quality Assurance

DATE: 30 JUN 2022

BLOOD COLLECTION LOT CONTROL
FINAL TUBE ASSAY RELEASE
GS10001646

LOT NO.: 219292	HRI NO.: 8881-352796
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TEST RESULTS

Sodium Fluoride:	A5414-1, A5483
Potassium Oxalate:	A5506

LOT # 219292
 HRI: 8881-352796
 Assay: Potassium Oxalate
 6/21/2022
 Notebook Reference: Tube Assay #01
 Specification: 15.0-26.0 mg/tube

LOT # 219292
 HRI: 8881-352796
 Assay: Sodium Fluoride
 6/29/2022
 Notebook Reference: Tube Assay #01
 Specification: 88.0 - 112.0 mg/tube

ml titer	mg/tube	mg/tube	
23.40	20.84 P	97.8	P
23.70	21.10 P	98.7	P
23.10	20.57 P	99.0	P
22.75	20.26 P	98.0	P
23.35	20.79 P	99.2	P
22.30	19.86 P	108.0	P
23.05	20.52 P	96.5	P
23.00	20.48 P	95.7	P
24.30	21.64 P	95.1	P
24.10	21.46 P	101.0	P
MEAN:	20.75	MEAN:	98.9
STD DEV:	0.540	STD DEV:	3.649

Tested By: Staci Hingst

Tested By: S. Hingst

Staci Hingst
6/30/22

RELEASED BY: <i>Rene M. DeSalvaz</i>	DATE: 30 JUN 2022
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FM20008183 Rev 3

Handwritten signature 12-8-21
 QA APPROVED
Handwritten initials 3-24-22

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	06/01/2021
Lot Number	212959		
Description	SODIUM FLUORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Nov/2023

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	WHITE POWDER
ASSAY	%	>= 99	100
CHLORIDE	%	<= 0.005	<0.005
HEAVY METALS (as Pb)	%	<= 0.003	<0.003
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.02	<0.02
IRON (Fe)	%	<= 0.003	<0.003
LOSS ON DRYING @ 105 C	%	<= 0.3	<0.3
POTASSIUM (K)	%	<= 0.02	<0.02
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

Handwritten signature: Julian Burton

Julian Burton - Quality Control Manager - Fair Lawn

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) 227-8701.
 *Based on suggested storage condition.

J. Burton Page 1 of 1
 12-8-21
QA APPROVED
Att. no 3-2822

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 Fair Lawn, NJ 07410
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Catalog Number	S299	Quality Test / Release Date	02/22/2021
Lot Number	210107		
Description	SODIUM FLUORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Nov/2023

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White powder
ASSAY	%	>= 99	101
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	0.02
POTASSIUM (K)	%	<= 0.02	0.001
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

Julian Burton

Julian Burton - Quality Control Manager – Fair Lawn

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™



R. Walker 5-23-22

QA APPROVED
A. H. [unclear] 5-27-22

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	≤ 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)	≤ 0.002 %	< 0.002 %
ACS - Sulfate (SO_4)	≤ 0.01 %	< 0.01 %
ACS - Ammonium (NH_4)	≤ 0.002 %	< 0.002 %
ACS - Heavy Metals (as Pb)	≤ 0.002 %	< 0.002 %
ACS - Iron (Fe)	≤ 0.001 %	< 0.001 %
ACS - Sodium (Na)	≤ 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

James Ethler
Jamie Ethler
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



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



September 23rd, 2022

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.
68601	N/A	5/31/2024	219292	5/31/2024	N/A

RECEIVED

JUL 19 2024

WSP TOX LAB