# Alcotest 7110 Calibration Record

Equipment	Alcotest 7110 MKIII-C		Serial No.: ARUM-0043
Location:	CHERRY HILL TWSP. P.I	D.	
Calibration File No.:	02695	Calib. Date: 04/26/2022	Calib. No.: 00043
Certification File No.:	02634	Cert. Date: 11/16/2021	Cert. No.: 00038
Linearity File No.:	02635	Lin Date: 11/16/2021	Lin. No.: 00039
Solution File No.:	02689	Soln. Date: 04/14/2022	Soln. No.: 00367
Sequential File No.:	02695	File Date: 04/26/2022	
Calibrating Unit:	WET	Model No.: CU-34	Serial No.: DDWA \$3-0007
Control Solution %:	0.100%		Expires: 06/16/2023
Solution Control Lot:	21210		Bottle No.: 1050
Coordinator			

Coordinator

Last Name: WATSON First Name: MATTHEW And W/ \$1018 Signature: Date:

MI: R Badge No.: 7078 04/26/2022

\*Black Key Temperature Probe Serial......#\_ODNBPI-0119 \*Digital NIST Temperature Measuring System Serial......#\_2[0].16 81

Pursuant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In any official capacity, and consistent with "Calibration Check Procedure for Alcorest 7110," as established by the Chief Forensic Scientist of the Division of State Police, 1 perform calibration checks on approved instruments employing infrared analysis and electrochemical analysis, when utilized in a single approved instrument as a dual system of chemical breath testing. Pursuant to and consistent with the current "Calibration Check Procedure for Alcorest 7110, "as established by the Chief Forensic Scientist, I performed a Calibration Check on the approved instrument identified on this certificate. The results of my Calibration Check are recorded on this certificate, which consists of two parts on two pages: Part I - Control Tests; and Part II - Linearity Tests. Tcertify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are wilfully false. I am subject to punishment.



# Alcotest 7110 Calibration Certificate Part I - Control Tests

<b>Equipment</b> Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 CHERRY HII 02695 02696 02635 02689 02696			11/16/2021	Serial No.: ARUM-0043 Calib. No.: 00043 Cert. No.: 00039 Lin. No.: 00039 Soln. No.: 00367
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 21210		Model No.	: CU-34	Serial No.: DDWA S3-0007 Expires: 06/16/2023 Bottle No.: 1050
Function		Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank		0.000%	13:50D	Sindator ( C)	of Enorgy
Control 1 EC		0.100%	13:51D	34.0°C	*** TEST PASSED ***
Control 1 IR		0.101%	13:51D	34.0°C	*** TEST PASSED ***
Ambient Air Blank		0.000%	13:52D		
Control 2 EC		0.100%	13:53D	34.0°C	*** TEST PASSED ***
Control 2 IR		0.100%	13:53D	34.0°C	*** TEST PASSED ***
Ambient Air Blank		0.000%	13:53D		
Control 3 EC		0.100%	13:54D	34.0°C	*** TEST PASSED ***
Control 3 IR		0.101%	13:54D	34.0°C	*** TEST PASSED ***
Ambient Air Blank		0.000%	13:55D		

All tests within acceptable tole Coordinator Last Name: WATSOI MI: R Badge No.: 701 04/26/2022 Signature: Date:

Pursuant to law, and the "Chemical Breath Testing Regulations" <u>N.J.A.C.</u> 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In my official capacity, and consistent with "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist of the Division of State Police, I perform calibration checks on approved instruments employing infrared analysis and electrochemical analysis, when utilized in a single approved instrument as a dual system of chemical breath testing. Rursuant to and consistent with, the current "Calibration Check Procedure for Alcotest 7116, as established by the Chief Forensic Scientist, I performed a Calibration Check on the approved instrument identified on this certificate. The results of my Calibration Check are recorded on this certificate, which consists of two parts on two pages: Part I - Control Tests; and Part II - Linearity Tests. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are wilfully false, I am subject to punishment.



# Alcotest 7110 Calibration Certificate Part II - Linearity Tests

EquipmentAlcotest 7110 MKHILocation:CHERRY HILL TWCalibration File No.:02695Certification File No.:02696Linearity File No.:02697Solution File No.:02689Sequential File No.:02697		Serial No.: ARUM-0043 Calib. No.: 00043 Cert. No.: 00039 Lin. No.: 00040 Soln. No.: 00367
Calibrating Unit:WETControl Solution %:0.040%Solution Control Lot:21250	Model No.: CU-34	Serial No.: DDXD S3-0187 Expires: 07/06/2023 Bottle No.: 1085
Calibrating Unit:WETControl Solution %:0.080%Solution Control Lot:21260	Model No.: CU-34	Serial No.:         DDRK S3-0015           Expires:         07/19/2023           Bottle No.:         0045
Calibrating Unit:WETControl Solution %:0.160%Solution Control Lot:21290	Model No.: CU-34	Serial No.: DDRK S3-0006 Expires: 07/29/2023 Bottle No.: 1456
Function Result	Time Temperature	Comment(s)
%BA		$c) \qquad \text{or } Error(s)$
Ambient Air Blank 0.000		
Control 1 EC 0.042		*** TEST PASSED ***
Control 1 IR 0.043		*** TEST PASSED ***
Ambient Air Blank0.000Control 2 EC0.041		
		*** TEST PASSED ***
Control 2 IR0.043Ambient Air Blank0.000		*** TEST PASSED ***
Control 3 EC 0.082		*** TEST PASSED ***
Control 3 IR 0.081		*** TEST PASSED ***
Ambient Air Blank 0.000		TEST LASSED
Control 4 EC 0.082		*** TEST PASSED ***
Control 4 IR 0.082		*** TEST PASSED ***
Ambient Air Blank 0.000		TEST TASSED
Control 5 EC 0.164		*** TEST PASSED ***
Control 5 IR 0.160		*** TEST PASSED ***
Ambient Air Blank 0.000		
Control 6 EC 0.162		*** TEST PASSED ***
Control 6 IR 0.160		*** TEST PASSED ***
Ambient Air Blank 0.000	-	

All tests within acceptable tolerance.

Coordinator 

MI: R Badge No.: 7078 Date: 04/26/2022

# Calibrating Unit New Standard Solution Report

<b>Equipment</b> Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 CHERRY HI 02695 02696 02697 02698 02698			04/26/2022	Serial No.: ARUM-0043 Calib. No.: 00043 Cert. No.: 00039 Lin. No.: 00040 Soln. No.: 00368
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 21090		Model No.	: CU-34	Serial No.: DDWA S3-0007 Expires: 03/17/2023 Bottle No.: 0696
Function		Result	Time	Temperature	Comment(s)
Ambient Air Blank		%BAC 0.000%	HH:MM 15:37D	Simulator (°C)	or Error(s)
Control 1 EC		0.102%	15:37D	34.0°C	*** TEST PASSED ***
Control 1 IR		0.102%	15:38D	34.0°C	*** TEST PASSED ***
Ambient Air Blank		0.000%	15:38D		
Control 2 EC		0.102%	15:39D	34.0°C	*** TEST PASSED ***
Control 2 IR		0.101%	15:39D	34.0°C	*** TEST PASSED ***
Ambient Air Blank		0.000%	15:40D		
Control 3 EC		0.100%	15:41D	34.0°C	*** TEST PASSED ***
Control 3 IR		0.103%	15:41D	34.0°C	*** TEST PASSED ***
Ambient Air Blank		0.000%	15:41D		

All tests within acceptable tolerance.

On this date. I installed the above indicated "NEW SOLUTION" in acordance with Alcotest 7110 operator training and procedures established by the (NJSP) Chief Forensic Scientist.

DUJP2-158 Temperature Probe Serial Number: **Changed By:** Last Name: WATSON First Name: MATTHEW MI: R #7078 Badge No.: 7078 Signature: Date: 04/26/2022

# Alcotest 7110 MKIII-C Calibration NIST-Traceable Digital Thermometer Readings

<u>Coordin</u>	<u>iator</u> :	
Sgt. Name	Matthew	R. Watson

Location:

# Equipment:

# 210219813

Digital NIST Temperature Measuring System Serial No.

Simulator Solution Concentration	CU-34 Simulator Serial No.	Time Simulators Started to Heat	Time Temp. Reading Obtained	Temp. Reading on NIST Traceable Thermometer
0.04%	DDX 053-0187	12:350	13:360	33.9%
0.08%	DDRK 53-0015	12:350	13:370	34,0%
0.10%	DDWA 53-0007	12:350	13:380	34.0%
0.16%	DDRK 53-0006	12:350	13:40 n	33.9%

Pursuant to law and the "Chemical Breath Testing Regulations" established at N.J.A.C. 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In my official capacity and consistent with the "Calibration Check Procedure for Alcotest 7110" as established by the Chief Forensic Scientist of the Division of State Police, I perform calibration checks on Alcotest 7110 MKIII-C instruments. Pursuant to and consistent with the current "Calibration Check Procedure for Alcotest 7110", I performed a Calibration Check Procedure on the Alcotest 7110 MKIII-C instrument identified on this certificate. Pursuant to the current "Calibration Check Procedure for Alcotest 7110", I used the Digital NIST-traceable Temperature Measuring System identified on this certificate to confirm that the temperatures of the 0.10%, 0.04%, 0.08%, and 0.16% Simulator Solutions used in the respective CU-34 Simulators identified on this certificate the temperatures of each of the simulator solutions as shown on the Digital NIST-traceable Temperatures of each of the simulator solutions as shown on the Digital NIST-traceable Temperatures of each of the simulator solutions as shown on the Digital NIST-traceable Temperature Measuring System thermometer. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

Z-#7078 dinator's Signature

04/26/2022 Date

01/25/2019

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	found to be in complianc regulations for de	acy verifies that the specified un e with National Highway and T evices used to calibrate Eviden R. Vol. 59 No. 249 12/19/94 No Draeger, Inc.	raffic Safety Administration tial Breath Testers.	
	Ø Model: ALCOTES ○ Model: MARK IIA	i	Serial Number:	
	<ul> <li>X-Cal 2000 (Alcos</li> <li>Other:</li> </ul>	im)	DDXD53-0187	Q
Ô	Certification Date: $4 \cdot 5 \cdot 22$	Technician:	Re-Certification Due Date: $4.5.23$	Ø
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	Ø Model: ALCOTE O Model: MARK IIA		Serial Number:	
	<ul> <li>○ X-Cal 2000 (Alco</li> <li>○ Other:</li> </ul>		DDRKS3-0015	
ă	Certification Date:	Technician:	Re-Certification Due Date	
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	Ø Model: ALCOTEST ○ Model: MARK IIA		Serial Number:	
$\bigcirc$	○ X-Cal 2000 (Alcosi ○ Other:	m)	DDRKS3-0004	
Ó	Certification Date:	Technician: MB	Re-Certification Due Date:	Ô
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	with instrumentation that is traceable The manufacturer recommends acc of the certification date belo For accurate temperature readir be prog Serial Number Temp Probe:	to the National Institute of Sta uracy verification of the Temp w, or sooner, according to you gs, the probe value on this ce trammed into the Alcotest 711 Certification Date:	andards and Technology (NIST). erature Probe within 12 months in state's specifications. rtificate, noted below, must o. Next Certification Due:	
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# Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001



# Traceable® Certificate of Calibration for Digital Thermometer

Manufactured for and distributed by : VWR International LLC Radnor Corporate Center, Bldg 1,Ste 200, 100 Matsonford Road,Radnor,PA,19087

Instrum	ent Identific	ation:									
Model: 6	61220-601,			S/N: 210216813			Ν	Manufacturer: Control Company			
Standar	ds/Equipme	nt:						-			
	Descrip	lion		Serial Number		Due	Date	<u>NI</u>	NIST Traceable Reference		
	Thermistor	Module	,	A27129	01 Mar 2022		1000464865				
T	emperature Cal	ibration Bath		A45240							
Т	emperature Cal	ibration Bath		A73332	* *						
Т	emperature Cal	ibration Bath	Ē	B01375	•••••		· • ••• ·				
	Temperatur	e Probe		5394	08 Mar 2022			C1228019			
Ť	emperature Cal	Ibration Bath		33A444			• • •	-			
Temperature Probe			5357	09 Jun 2021		C0428083					
	Thermistor	Module	Ē	35C344	344 06 Jun 2021		1000452872				
	Thermistor	Module	l	B96381		21 Aug 2021			1000457544		
	Temperatur	e Probe		5392		04 Au	ig 2021		C0804052		
	Temperatur	e Probe		5398		04 AL	ig 2021		C0804051		
Technicia Test Con	ditions: 62.1	18%RH 22.2			Cal	Date: 17	Mar 2021	Ca	Due Date: 17 Ma	ar 2023	
	ion Data: (No										
Unit(s)	Nominal	As Found	in Tol	Nominal	As Left	in Tol	Min	Max	±U	TUF	
°C	N.A.	N.A.		0.000	0.001	Y	-0.05	0.05	0.0087	>4:1	
°C	N.A.	N.A.		24.999	25.002	Y	24.949	25.049	0.0087	>4:1	
°C	N.A.	N.A.		50.001	50.002	Y	49.951	50.051	0.0087	>4:1	
°C	N.A.	N.A.		99.998	100.003	Y	99.948	100.048	0,0087	>4:1	

This certificate indicates Traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement : (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In toterance conditions are based on test results failing within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ± U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Retio; Accuracy=±(Max-Min)/2; Min=As Left Nominal(Rounded) - Tolerance; Max= As Left Nominal(Rounded) + Tolerance;

Rial Rodriguez

Nicol Rodriguez, Quality Manager

Note :

### Maintaining Accuracy:

In our opinion once calibrated your Digital Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Thermometer change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598 Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com

Control Company Is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01. Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-ANAB, International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).

1 of 2

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# Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001



Cert. No.: 4000-12064529

# Traceable® Certificate of Calibration for Digital Thermometer

**Recalibration:** 

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

Issue Date : 17 Mar 2021

CONTROL COMPANY 12554 Galveston RD Sulte B230 Webster TX USA 77598 Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com

Control Company is an ISO/IEC 17025:2017 Celibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01. Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HQU-ANAB. International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).

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OFFICE OF THE ATTORNEY GENERAL DEPARTMENT OF LAW AND PUBLIC SAFETY DIVISION OF STATE POLICE POST OFFICE BOX 7068 WEST TRENTON, NJ 08628-0068 (609) 882-2000

GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0,100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

**ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION:** Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

# ANALYSIS DATE: 07/07/2021

#### BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21210

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1199 to 0.1215 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 16, 2023.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

about Henne

Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

worn to and subscribed before me this 20 day of 2021. KAREN E. STAH NOTARY PUBLIC OF NEW JERSEN Commission # 50110522 My Commission Expires 8/13/202 "An Internationally Accredited Agency" New Jersey Is An Equal Opportunity Employer Primed on Recycled Paper and Recyclable



PHILIP D. MURPHY Governor



OFFREE OF THE AFFORDATIVE CONTRAC DEPARTMENT OF LAW STAP POLATE SAFETY DIVISION OF STATE POLATE DIVISION OF STATE POLATE

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PATRICI, J. CALLARIAS.

## **CERTIFICATION OF ANALYSIS** 0.100 **PERCENT BREATH ALCOHOL SIMULATOR SOLUTION**

**ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION:** Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 03/25/2021

#### BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21090

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of <u>0.1216</u> to <u>0.1227</u> grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is <u>March 17, 2023</u>.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

mapping Kennedy Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 3 day of 1/4.0, 2021. Notary KAREN E. STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 50110522 My Commission Expires 8/13/2024



" In Internationally Accredited Agency"

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GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 05/22/2020

#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20220**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of <u>0.1204</u> to <u>0.1227</u> grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is May 06, 2022.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 27 day of , 2020. Notary



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PHILIP D. MURPHY Governor



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GURBIR S. GREWAL

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0.040 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0469 to 0.0499 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 07/27/2021

#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21250**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0485 to 0.0489 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 06, 2023.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this & day of 2021. KAREN E. STAH NOTARY PUBLIC OF NEW JERSEY Commission # 60110622 Iv Commission Expires 8/13/202 "An Internationally Accredited Agency" New Jersey Is An Equal Opportunity Employer



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GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0.040 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0469 to 0.0499 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 07/29/2020

#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20260**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of <u>0.0481</u> to <u>0.0486</u> grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 08, 2022.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 18th day of August , 2020. Maryenne Kucker Notary



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GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0.080 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0939 to 0.0997 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 07/27/2021

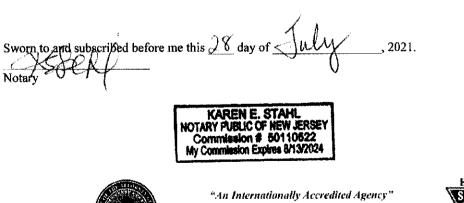
#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21260**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0970 to 0.0977 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 19, 2023.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences





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GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

# **CERTIFICATION OF ANALYSIS** 0.080 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0939 to 0.0997 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### **ANALYSIS DATE: 08/07/2020**

#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20270**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0968 to 0.0974 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 11, 2022.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this  $\frac{18^{+4}}{18^{-4}}$  day of  $\frac{18^{-4}}{18^{-4}}$ , 2020. Maugenne Kucker





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PHILIP D. MURPHY Governor



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ANDREW J. BRUCK Acting Attorney General

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0.160 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1878 to 0.1994 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

# ANALYSIS DATE: 08/11/2021

# **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21290**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1945 to 0.1977 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 29, 2023.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

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my crif	
	KAREN E. STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 50110522 My Commission Expires 8/13/2024



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PHILIP D. MURPHY Governor



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GURBIR S. GREWAL

PATRICK J. CALLAHAN Colonel

## CERTIFICATION OF ANALYSIS 0.160 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1878 to 0.1994 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 07/17/2020

#### BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20280

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1949 to 0.1977 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 17, 2022.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

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KAREN E, STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 50110522 My Commission Expires 8/13/2024



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GURBIR S. GRHWAL Attorney General

PATRICK J. CALLAUAN Colonel

# CERTIFICATION OF ANALYSIS 0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

**ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION:** Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 09/17/2020

# BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20390

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1212 to 0.1223 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is <u>September 2, 2022</u>.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and su	bscribed before me this	s 18 day of <u>September</u>	, 2020
Kathlee	A Alexandy		
Notary			



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ANDREW J. BRUCK Acting Attorney General

PATRICK J. CALLAHAN Colonel

# CERTIFICATION OF ANALYSIS 0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

MANUFACTURER: Draeger, Inc.

ANALYSIS DATE: <u>08/10/2021</u>

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21270** 

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1208 to 0.1221 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 21, 2023.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

Michael Kennedy Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

to and subscribed before me this 20 day of August, 2021. KAREN E. STAHI NOTARY PUBLIC ' JERSE' 10522 "An Internationally Accredited Agency" Now dersey is An Equal Opportunity Employer Printed on Recycled Paper and Recyclobic

PHILIP D. MURPHY Governor



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MATTHEW J. PLATKIN Acting Attorney General

COLONEL PATRICK J. CALLAHAN Superintendent

### CERTIFICATION OF ANALYSIS 0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 04/26/2022

#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 22110**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1219 to 0.1237 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is <u>April 4, 2024</u>.

As Acting OFS Director for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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Michael Kennedy Acting OFS Director NJSP Office of Forensic Sciences

subscribed before me this 28 day of since , 2022. Sworn to





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MATTHEW J. PLATKIN Acting Attorney General

COLONEL PATRICK J. CALLAHAN Superintendent

# CERTIFICATION OF ANALYSIS 0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

#### MANUFACTURER: Draeger, Inc.

#### ANALYSIS DATE: 05/23/2022

#### **BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 22160**

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1207 to 0.1223 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is <u>May 9, 2024</u>.

As Acting OFS Director for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

minael Kennedy Michael Kennedy

OFS Director NJSP Office of Forensic Sciences

Sworn to and subscribed before me this  $\mathcal{A}\mathcal{G}$  day of  $\mathcal{A}$ 2022. KAREN E. STAH NOTARY PUBLIC OF NEW JERSEY Commission # 50110522

My Commission Expires 0/13/2024



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