Alcotest 7110 Calibration Record

Equipment

Alcotest 7110 MKIII-C

Serial No.: ARWM-0092

Location:

VERONA POLICE DEPT.

00720

Calib. Date: 02/08/2022

Calib. No.: 00044

Certification File No.: 00703 Linearity File No.:

Calibration File No.: 00704

Cert. Date: 08/25/2021 Lin. Date: 08/25/2021

Cert. No.: 00033 Lin. No.: 00033

Solution File No.: Sequential File No .:

00718 00720

20220

Soln. Date: 01/27/2022 File Date: 02/08/2022 Soln. No.: 00214

Calibrating Unit:

WET Control Solution %: 0.100% Model No.: CU-34

Serial No.: DDXA S3-0065 Expires: 05/06/2022

Bottle No.: 0203

Coordinator

Last Name: HURTADO

Solution Control Lot:

First Name: FRANCISCO

MI: A.

Signature: 7Pr

wellade to

Badge No.: 7635 02/08/2022

Date:

*Black Key Temperature Probe Serial # 00EE ? 2 - 049

*Digital NIST Temperature Measuring System Serial....# 200 357

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 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. Pursuant to and consistent with the current "Calibration Check Procedure for Alcotest 7 110, "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 I - Control Tests

Equipment Location:	Alcotest 7110 MKI VERONA POLICE				Serial No.:	ARWM-0092
Calibration File No.:	00720		Calib. Date:	02/08/2022	Calib. No.:	00044
Certification File No.:	00721		Cert. Date:	02/08/2022	Cert. No.:	00034
Linearity File No.:	00704		Lin. Date:	08/25/2021	Lin. No.:	00034
Solution File No.:	00718		Soln. Date:	01/27/2022		00033
Sequential File No.:	00721		File Date:	02/08/2022	20111 1 1011	00211
Calibrating Unit:	WET		Model No.:	CU-34	Serial No.:	DDXA S3-0065
Control Solution %:	0.100%					05/06/2022
Solution Control Lot:	20220				Bottle No.:	
Function	Resi	ult	Time	Temperature	Comr	nent(s)
	%B	AC		Simulator (°C)	or En	cor(s)
Ambient Air Blank	0.00	00%	09:17S			\- ,
Control 1 EC	0.09	98%	09:17S	33.9°C	*** TEST P	ASSED ***
Control 1 IR	0.09	9%	09:17S	33.9°C	*** TEST P	ASSED ***
Ambient Air Blank	0.00	00%	09:18S			
Control 2 EC	0.09	9%	09:19S	33.9°C	*** TEST P	ASSED ***
Control 2 IR	0.09	19%	09:19S	33.9°C	*** TEST P.	ASSED ***
Ambient Air Blank	0.00	0%	09:19S			
Control 3 EC	0.09	9%	09:20S	33.9°C	*** TEST P.	ASSED ***
Control 3 IR	0.10	0%	09:20S		*** TEST P.	
Ambient Air Blank	0.00	0% (09:21S			
The second secon		Stages, emmanance	and the second control of the second control of the	ZILAY MANAGRIKA MANAKAN MANAGRIKA MA	SANSES AND PROPERTY OF THE SANSES OF THE SAN	anny parameter de la company de la compa

All tests within acceptable tolerance

Coordinator

Last Name: HURTADO

FRANCISCO First Name:

MI: A.

Signature: 191, 14

Badge No.: 7635 Date: 02/08/2022

Pursyant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 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. Pursuant to and consistent with, the current 'Calibration Check Procedure for Alcotest 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. 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

Equipment Location: Calibration File No.:	Alcotest 7110 MK VERONA POLIC 00720		Calib Date	: 02/08/2022	Serial No.: Calib. No.:	ARWM-0092
Certification File No.:	00721		Cert. Date:	02/08/2022	Cert. No.:	
Linearity File No.:	00721		Lin. Date:	02/08/2022	Lin. No.:	00034
Solution File No.:	00718			01/27/2022	Soln. No.:	
Sequential File No.:	00722		File Date:	02/08/2022	30III. NO.:	00214
	00.22		The Date.	02/00/2022		
Calibrating Unit:	WET		Model No.:	CU-34	Serial No ·	DDSC S3-0014
Control Solution %:	0.040%				Expires:	06/08/2022
Solution Control Lot:	20260				Bottle No.:	
Calibrating Unit:	WET		Model No.:	CU-34	Serial No.:	DDXD S3-0181
Control Solution %:	0.080%				Expires:	06/11/2022
Solution Control Lot:	20270				Bottle No.:	
~ · · · · · · · · · · · · · · · · · · ·						
Calibrating Unit:	WET		Model No.:	CU-34		DDWE S3-0200
Control Solution %:	0.160%					06/17/2022
Solution Control Lot:	20280				Bottle No.:	0788
Function	Res	ualt "	Гіте	Tomoroustana	O-	.()
2 411012011				Temperature Simulator (°C)	or En	nent(s)
Ambient Air Blank			09:31S	Simulator (C)	or en	ror(s)
Control 1 EC				33.9°C	*** TEST P	4** CCED ***
Control 1 IR				33.9°C	*** TEST P	
Ambient Air Blank			09:33S	33.7 C	TEST 1.	ASSED
Control 2 EC				33.9°C	*** TEST P.	ASSED ***
Control 2 IR	0.03			33.9°C	*** TEST P.	
Ambient Air Blank	0.00		9:35S		12011	. 10022
Control 3 EC	0.08	80%	9:36S	33.9°C	*** TEST P.	ASSED ***
Control 3 IR	0.07	76%	9:36S	33.9°C	*** TEST P.	
Ambient Air Blank	0.00	00% 0	9:37S			
Control 4 EC	0.07	79% 0	9:38S	33.9°C	*** TEST P	ASSED ***
Control 4 IR	0.07	77% 0	9:38S	33.9°C	*** TEST PA	
Ambient Air Blank	0.00	00% 0	9:39S			
Control 5 EC	0.16		9:40S	33.9°C	*** TEST PA	ASSED ***
Control 5 IR	0.15		9:40S	33.9°C	*** TEST PA	ASSED ***
Ambient Air Blank	0.00		9:42S			
Control 6 EC	0.15				*** TEST PA	
Control 6 IR	0.15	_		33.9°C	*** TEST PA	ASSED ***
Ambient Air Blank	0.00	00% 0	9:44S			

All tests within acceptable tolerance.

Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signature: 191. If mn//todo # 763.5

Badge No.: 7635

Date: 02/08/2022

Calibrating Unit New Standard Solution Report

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 M VERONA POLIS 00720 00721 00722 00723 00723		Calib. Date Cert. Date: Lin. Date: Soln. Date: File Date:	: 02/08/2022 02/08/2022 02/08/2022 02/08/2022 02/08/2022	Serial No.: Calib. No.: Cert. No.: Lin. No.: Soln. No.:	00034 00034
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 20460		Model No.:	CU-34	Serial No.: Expires: Bottle No.:	DDXA S3-0065 10/21/2022 1346
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank Control 2 EC Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank	% 0. 0. 0. 0. 0. 0.	BAC .000% .100% .100% .000% .009% .100% .000% .009% .100%	10:53S 10:54S 10:54S	Temperature Simulator (°C) 33.9°C 33.9°C 33.9°C 33.9°C 33.9°C	Commor Error P. *** TEST P.	ASSED *** ASSED *** ASSED *** ASSED ***

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.

Temperature Probe Serial Number: 1

DOMZ 65-508 F.H

Changed By:

Last Name: HURTADO

First Name: FRANCISCO

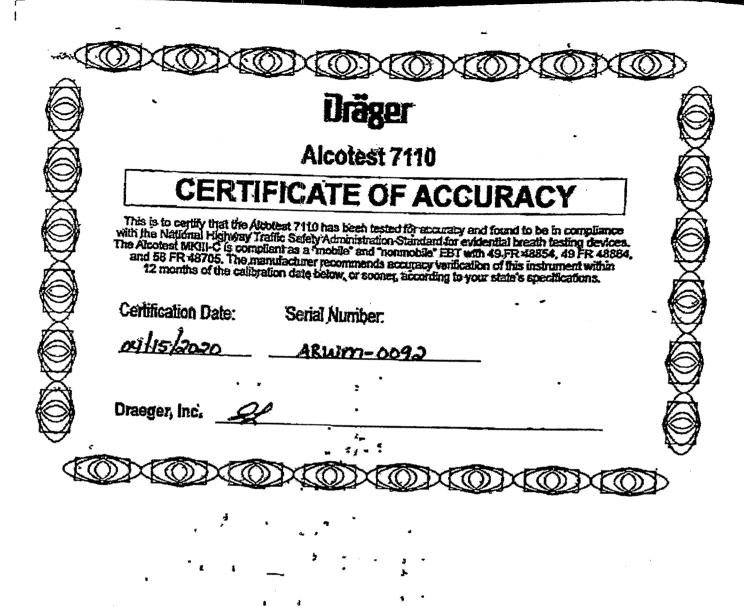
MI: A.

Ciamatuua

rust Name. FRA

Badge No.: 7635 Date: 02/08

02/08/2022



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

Coordinator:

TPI. IL FRANCISCO A. HURTADO Name

7635 Badge No.

Location:

VERONA POLICE DEPT.

ARWM - 009 2 Alcotest Serial No.

Equipment:

200 357 812

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%	DDSC 53-0014	08:065	୦୩:୦୮୨	34.0°C
0.08%	00x0 53-0181	08:065		33.9°C
0.10%	2000-82 AXOO	08:065	09:095	33.9°C
0.16%	DDWE S3-0200		# J	34.0°C

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 Cheek 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, were 34.0 degrees Celsius = 0.2 degrees Celsius. I hereby certify that I truthfully recorded on this certificate the 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.

Coordinator's Signature

<u>02-08-2022</u>



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



Cert. No.: 4000-11349766

Traceable® Certificate of Calibration for Digital Thermometer

Manufactured for and distributed by : VWR International LLC Radnor Corporate Center, Bidg 1, Sie 200, 180 Matsonford Road, Radnor, PA, 19087

Instrument Identification:

Model: 61220-601.

S/N: 200357812

Manufacturer Control Company

	\$1500 SECTIONS	करण दार्थाच्या	mandacuter. Come company	
Standards/Equipment:				
Description	Serial Number	Due Date	NIST Traceable Reference	
Thermistor Module	A27129	04 Feb 2021	1000451212	
Temperature Calibration Bath	A42238	r	3000000	
Temperature Calibration Bath	B01375	at w	٠	
Temperature Probe	5394	21 Feb 2021	C022003.0	
Temperature Calibration Bath	B16388			
Temperature Probe	5267	21 Feb 2021	C0220028	
Temperature Calibration Bath	B3A444			
Thermistor Module	B96381	16 Jul 2020	B96260228	
Temperature Probe	5398	16 Jul 2020	B9605083	
Thermistor Module	B96382	19 Aug 2020	. B962800i6	
Temperature Probe	5410	13 Sep 2020	B98010311	
			:	

Certificate Information:

Technician: 420 Test Conditions: Procedure: CAL-06

52.44%RH 23.46°C 1018mBar

Cal Date: 15 Jun 2020

Cal Due Date: 15 Jun 2022

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	in Tol	Min	Max		TUR
°C	N.A.	N.A.		0.000	0.001	Y	-0.05	0.85	0.00/87	>4:1
°C	N.A.	N.A.		25.001	25.001	¥	24,951	25.051	0.00-87	>4:1
°C	N.A.	N.A.		50,002	50.002	Y	49.952	50,052	0.00/87	>4;1
°C	N.A.	N.A.		100.003	100.004	Ÿ	99.953	100.053	0.00487	>4:1

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

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

Rich Rodriguez

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 contemination.

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/EC 17025:2005 Calibration Laboratory Accredited by [A2LA] American Association for Laboratory Accreditation, Certificate No. 1750,001.

Control Company is ISO/9011:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2005-AQ-HOU-ANAB.

International Laboratory Accreditation Cooperation. Multilateral Recognition Arrangement (ILAC-MRA).

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 tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained beginning the provided of Control Company.



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



Cert. No.: 40/00-11349766

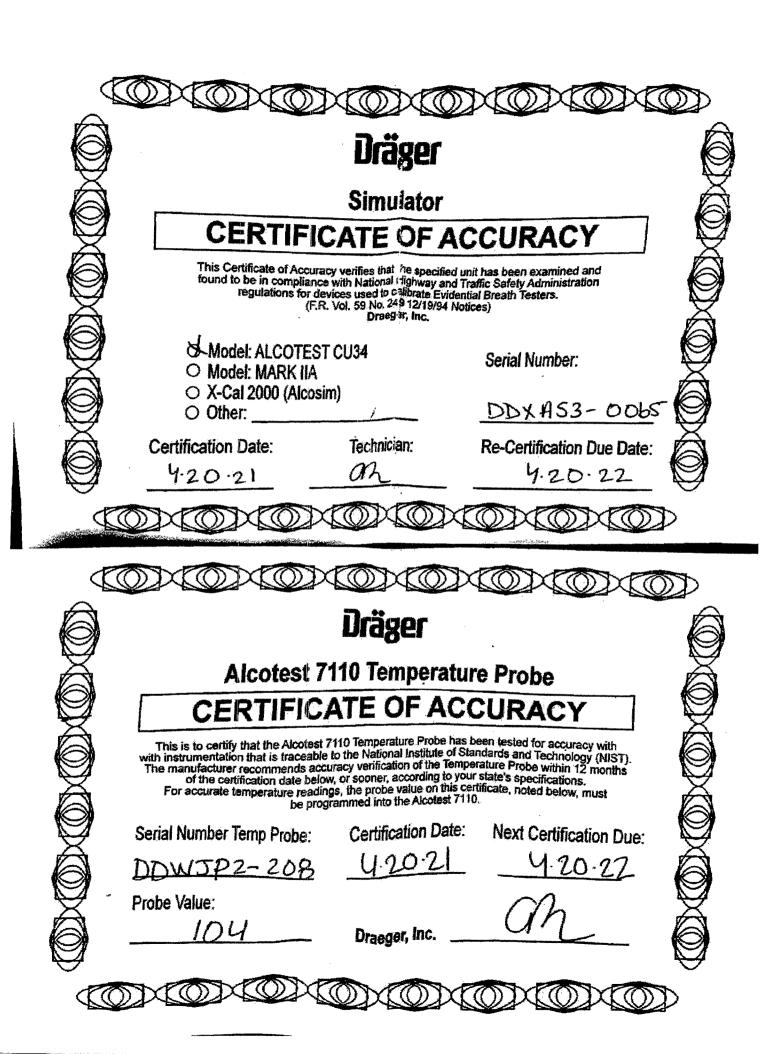
Traceable® Certificate of Calibration for Digital Thermometer

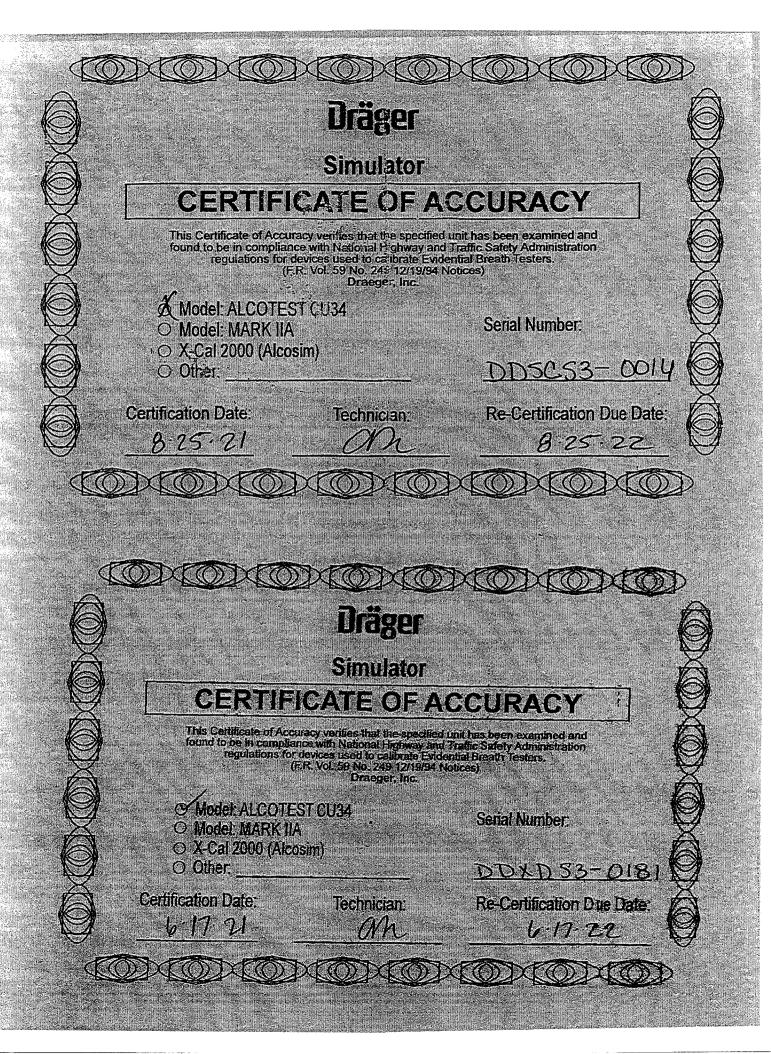
Recalibration:

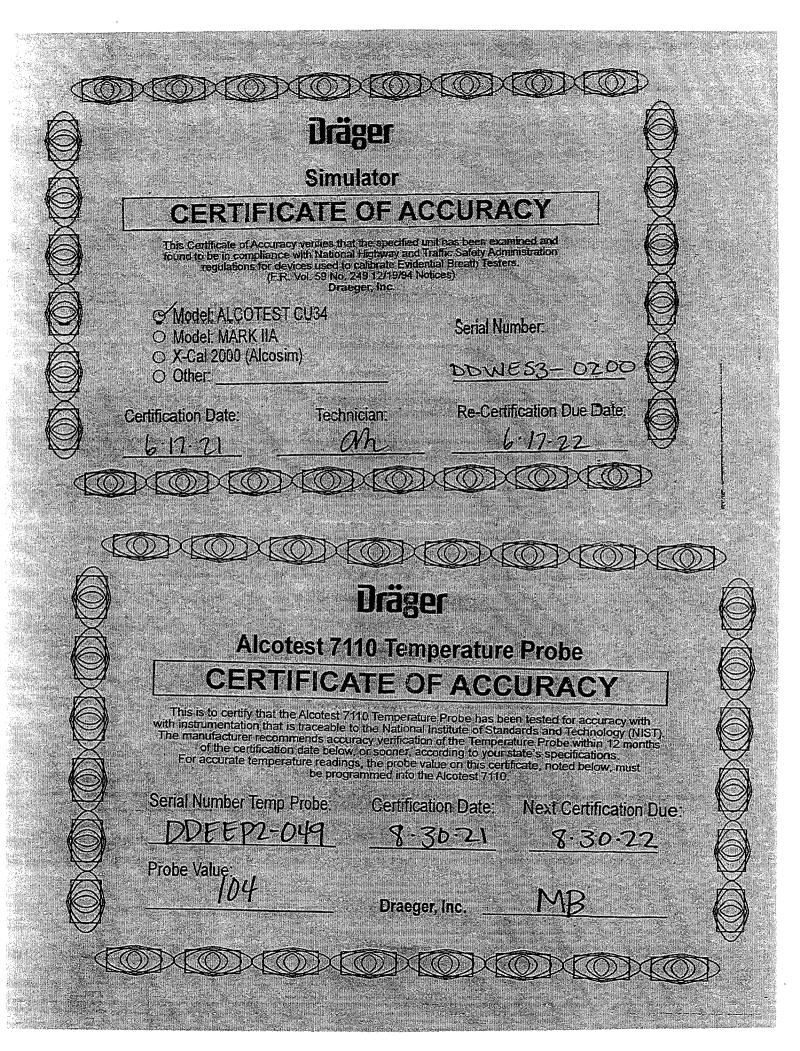
For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

Issue Date: 15 Jun 2020

CONTROL COMPANY 12554 Galveston RD Suite B238 Webster TX USA 77598
Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com









PHILIP D. MURPHY Governor

SHEILA Y. OLIVER Lt. Governor

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 Cotonel

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 0.1204 to 0.1227 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sword to and subscribed before me this 27 day of

2020.

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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER

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

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: 07/29/2020

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 0.0481 to 0.0486 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.

Michael Kennedy

Assistant Chief Forensic Scientist NISP Office of Forensic Sciences

Sworn to and subscribed before me this 18th day of August 2020

Notary 0



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PHILIP D. MURPHY Governor

SHEILA Y. OLIVER Lt. Governor

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) 882-2006

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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 18 day of Queyest

Notary



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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

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

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 <u>0.1949</u> to <u>0.1977</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 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn, to said subscribed before me this 28 day of July, 202

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



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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER Lt. Governor

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: 11/02/2020

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20460

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 October 21, 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 13 day of Younder, 2020.



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DATE	Refresher Course PLACE	INSTRUCTOR	Tan and Bul	lic Sne
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		,	Breath Test Coordina	stor/Instructor
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Alcotest 7110 Calibration Record

02/08/2022

Equipment

Alcotest 7110 MKIII-C

Location:

VERONA POLICE DEPT.

Calibration File No.: Certification File No.: 00721

00740

Linearity File No.: 00722 Solution File No.: 00736

Sequential File No.:

Calibrating Unit:

00740

21210

WET 0.100%

Control Solution %: Solution Control Lot: Soln. Date: 06/02/2022 File Date: 07/01/2022

Lin. Date:

Model No.: CU-34

Calib. Date: 07/01/2022

Cert. Date: 02/08/2022

Serial No.: DDXA S3-0065 Expires: 06/16/2023

Serial No.: ARWM-0092

00034

Calib. No.: 00045

Cert. No.: 00034

Soln. No.: 00219

Lin. No.:

Bottle No.: 0654

Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

millede # 7635

Badge No.: 7635

Date: 07/01/2022

*Black Key Temperature Probe Serial # DOEE 92-049 F.H.

*Digital NIST Temperature Measuring System Serial....# 210 216 870 F.H.

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 my official capacity, and consistent with "Calibration Check Procedure for Alcorest 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. Pursuant to, and consistent with, the current "Calibration Check Procedure for Alcotest 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. 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 I - Control Tests

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 VERONA PC 00740 00741 00722 00736 00741			02/08/2022	Serial No.: ARWM-0092 Calib. No.: 00045 Cert. No.: 00035 Lin. No.: 00034 Soln. No.: 00219
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 21210		Model No.	: CU-34	Serial No.: DDXA S3-0065 Expires: 06/16/2023 Bottle No.: 0654
Function Ambient Air Blank		Result %BAC 0.000%	Time HH:MM 08:50D	Temperature Simulator (°C)	Comment(s) or Error(s)
Control 1 EC Control 1 IR Ambient Air Blank	·	0.099% 0.100% 0.000%	08:51D 08:51D 08:51D	34.0°C 34.0°C	*** TEST PASSED *** *** TEST PASSED ***
Control 2 EC Control 2 IR Ambient Air Blank		0.098% 0.100% 0.000%	08:52D 08:52D 08:53D	34.0°C 34.0°C	*** TEST PASSED *** *** TEST PASSED ***
Control 3 EC Control 3 IR Ambient Air Blank		0.100% 0.100% 0.000%	08:53D 08:53D 08:54D	34.0°C 34.0°C	*** TEST PASSED *** *** TEST PASSED ***

All tests within acceptable tolerance

Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signatura.

VI. I Jampheds 117635

Badge No.: 7635 Date: 07/01/2022

Pusuant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 13: 51, Lam 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. Pursuant to and consistent with, the current "Calibration Check Procedure for Alcotest 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. 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

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 VERONA PO 00740 00741 00742 00736 00742	O MKIII-C OLICE DEPT		07/01/2022	Serial No.: Calib. No.: Cert. No.: Lin. No.: Soln. No.:	00035 00035
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.040% 21250		Model No.	: CU-34	Serial No.: Expires: Bottle No.:	DDSC S3-0014 07/06/2023 1481
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.080% 21260		Model No.	: CU-34	Serial No.: Expires: Bottle No.:	DDXD S3-0181 07/19/2023 1285
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.160% 21290		Model No.	: CU-34	Serial No.: Expires: Bottle No.:	DDWE S3-0200 07/29/2023 0438
Function		Result	Time	Temperature	Comr	nent(s)
		%BAC	HH:MM	Simulator (°C)	or En	ror(s)
Ambient Air Blank		0.000%	09:03D			
Control 1 EC		0.041%	09:04D	33.9°C	*** TEST P	
Control 1 IR		0.039%	09:04D	33.9°C	*** TEST P	ASSED ***
Ambient Air Blank		0.000%	09:05D	22.00.0		
Control 2 EC		0.040%	09:06D	33.9°C	*** TEST P	
Control 2 IR Ambient Air Blank		0.039%	09:06D	33.9°C	*** TEST P	ASSED ***
Control 3 EC		0.000%	09:07D	24000	deleter more come as	
Control 3 IR		$0.080\% \\ 0.078\%$	09:08D	34.0°C	*** TEST P	
Ambient Air Blank		0.078%	09:08D 09:10D	34.0°C	*** TEST P	ASSED ***
Control 4 EC		0.000%	09:10D 09:10D	34.0°C	ቀቀቀ መድ <u>ር</u> መ <i>እ</i>	A CCCCC electric
Control 4 IR		0.080%	09:10D 09:10D	34.0°C	*** TEST P	
Ambient Air Blank		0.000%	09:10D 09:12D	34.0 C	*** TEST P.	ASSED ***
Control 5 EC		0.000% $0.159%$	09:12D	33.9°C	*** TEST P.	ላ ሮርሮርህ ቀቀቀ
Control 5 IR		0.156%	09:12D	33.9°C	*** TEST P.	
Ambient Air Blank		0.000%	09:12D 09:14D	55.7 C	··· iESI P.	ASSED TOTAL
Control 6 EC		0.158%	09:15D	33.9°C	*** TEST P.	Δ
Control 6 IR		0.155%	09:15D	33.9°C	*** TEST P	
Ambient Air Blank		0.000%	09:16D		120111	

All tests within acceptable tolerance.

Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signature: 11. Is Jmplitude 117635

Badge No.: 7635

Date:

07/01/2022

Calibrating Unit New Standard Solution Report

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 I VERONA POI 00740 00741 00742 00743 00743			07/01/2022	Serial No.: Calib. No.: Cert. No.: Lin. No.: Soln. No.:	00035 00035
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 20460		Model No.:	CU-34	Serial No.: Expires: Bottle No.:	DDXA S3-0065 10/21/2022 1292
Function Ambient Air Blank		Result %BAC 0.000%	Time HH:MM 10:21D	Temperature Simulator (°C)	Comi or Er	ment(s) ror(s)
Control 1 EC Control 1 IR Ambient Air Blank		0.101% 0.100% 0.000%	10:22D 10:22D 10:23D	34.0°C 34.0°C		'ASSED *** 'ASSED ***
Control 2 EC Control 2 IR Ambient Air Blank Control 3 EC	· (0.100% 0.101% 0.000% 0.100%	10:23D 10:23D 10:24D 10:24D	34.0°C 34.0°C	*** TEST P	ASSED *** ASSED ***
Control 3 IR Ambient Air Blank	(10:24D 10:24D 10:25D	34.0°C 34.0°C	*** TEST P *** TEST P	

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.

Temperature Probe Serial Number:	DDWJ	95 -	208	F. F	+.

Changed By:

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signatura

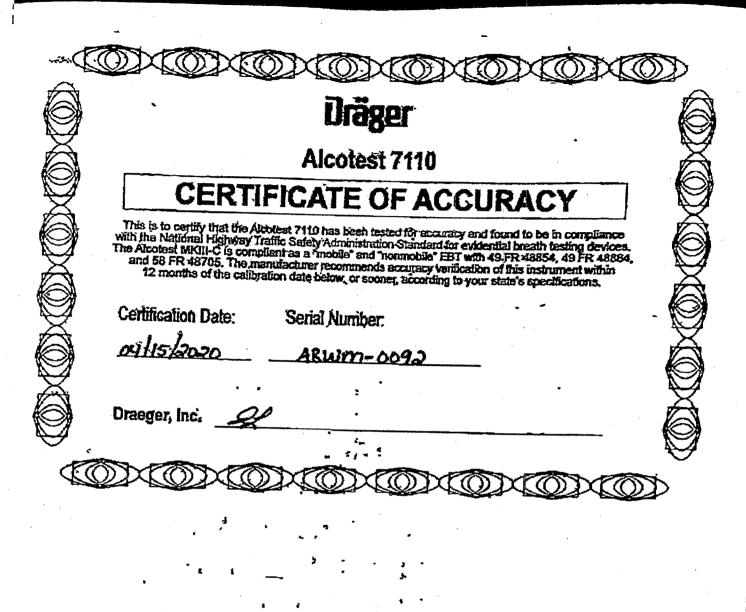
H7625

SCO

Badge No.: 7635

Date:

07/01/2022



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

Coordinator:

TIMI	FRAncisco	OLATYUH·A
Name	•	

7635 Badge No.

Location:

AGORAGE	POLICE DEPT.
A manax	

Alcotest Serial No.

Equipment:

210 216 820

Digital NIST Temperature Measuring System Serial No.

Simulator Solution Concentration	CU-34 Simulator Serial No.	Time Simulators Started to Heat	Time Temp. Reading Obtained	Tem p. Reading on NIST Traceable Thermometer
0.04%	DDSC 53-0014	07:400	08:410	34.0°C
0.08%	00XD 53-0181	07:400	08:420	34.0°C
0.10%	DDXA 53-0065	०१:५००	08:430	34.0°C
0.16%	DOWE 53-0200	07:400	08:440	33.9°C

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, were 34.0 degrees Celsius ± 0.2 degrees Celsius. I hereby certify that I truthfully recorded on this certificate the 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.

TOTAL Signature

07-01-2022 Date



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



Cert. No.: 4000-12064536

Traceable® Certificate of Calibration for Digital Thermometer

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

Instrument Identification:

Model: 61220-601.

S/N: 210216820

Manufacturer: Control Company

Standards/Equipment:			
<u>Description</u>	Serial Number	<u>Due Date</u>	NIST Traceable Reference
Thermistor Module	A27129	01 Mar 2022	1000464865
Temperature Calibration Bath	A45240		
Temperature Calibration Bath	A73332		
Temperature Calibration Bath	B01375		
Temperature Probe	5394	08 Mar 2022	C1228019
Temperature Calibration Bath	B3A444	rtem jaketarrama - maga	rain to the second seco
Temperature Probe	5357	09 Jun 2021	C0428083
Thermistor Module	B5C344	06 Jun 2021	1000452872
Thermistor Module	B96381	21 Aug 2021	1000457544
Temperature Probe	5392	04 Aug 2021	C0804052
Temperature Probe	5398	04 Aug 2021	C0804051
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Certificate Information:

Technician: 420

Procedure: CAL-06

62.18%RH 22.28°C 1006mBar

Cal Date: 17 Mar 2021

Cal Due Date: 17 Mar 2023

Calibration Data: (New Instrument)

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Unit(s) Nominal As Found In Tol Nominal As Left In Tol Min Max ±U .	TUR
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J.U5 J.05 J.0087	>4:1
*C N.A. N.A. 24.999 25.001 Y 24.949 25.049 0.0087	>4:1
C NA NA	
40.531 m-30.031 m-10.1884	>4:1
°C N.A. N.A. 108.002 100.000 Y 99.952 100.052 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 or maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the extraord under test and in accordance with the ISO "Guide to the expression of Uncertainty in Measurement" (GUM). The uncertainty represents as expanded uncertainty using a coverage factor k=2 to retail only to the ideal coordinates level. In following a coverage factor k=2 to retail only to the ideal collection. This certificate shall not be reproduced except in full, without written approved of Control Company.

Nominal-Standard's Resulting, As Left-Instrument's Reading; In Tolen Tolerance; Min/Max=Acceptance Renge; ± 11=Expanded Measurement Uncertainty TUR=Test Uncertainty Resignance Property (Nov-As Left Nominal/Rounded) - Tolerance: Max= As Left Nominal/Rounded - Tolerance: Max= As Left

Avail Lodriguez

Nicol Rodinguez, Quality Manager

Wasse Una

Maintaining Accuracy:

Note:

in our comion once calibrated your Digital Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Transcrutter change sole, 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 (NY CL, Certificate No. CERT-01885-2005-AC-HOM-ANAB.

International Laboratory Accreditation Cooperation - Mulfilateral Recognition Americannent (ILAC-UPA).



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



Cert. No.: 4000-12064536

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.

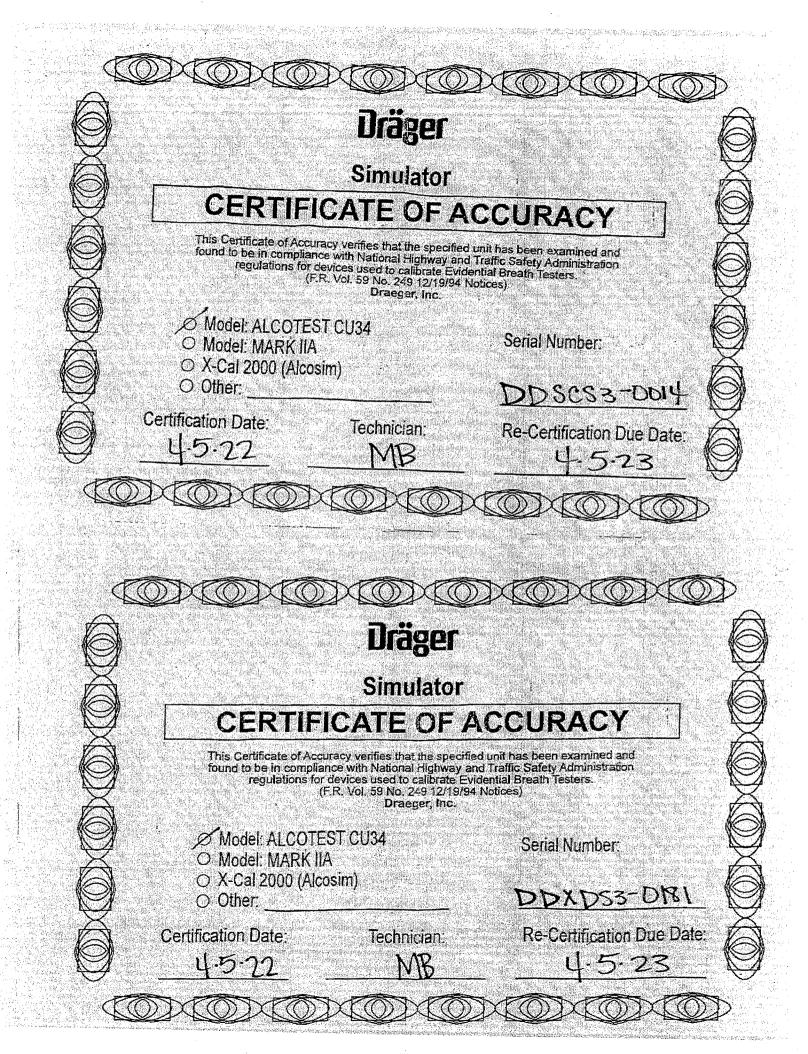
Issue Date : 17 Mar 2021

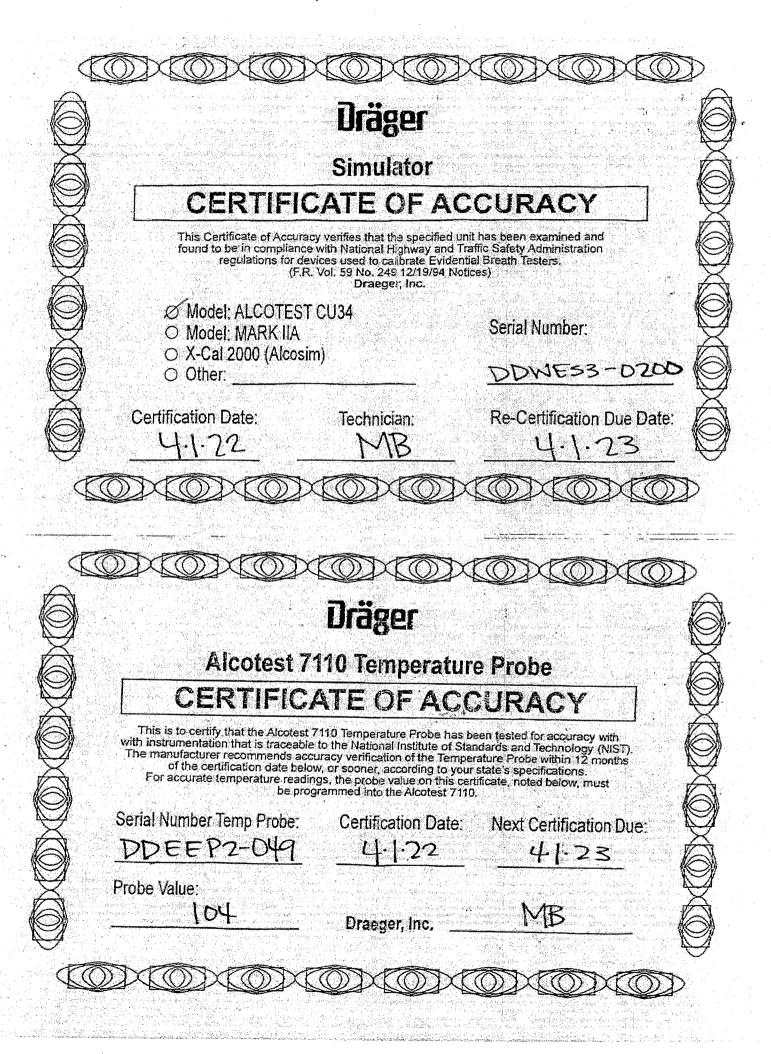
CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598
Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com

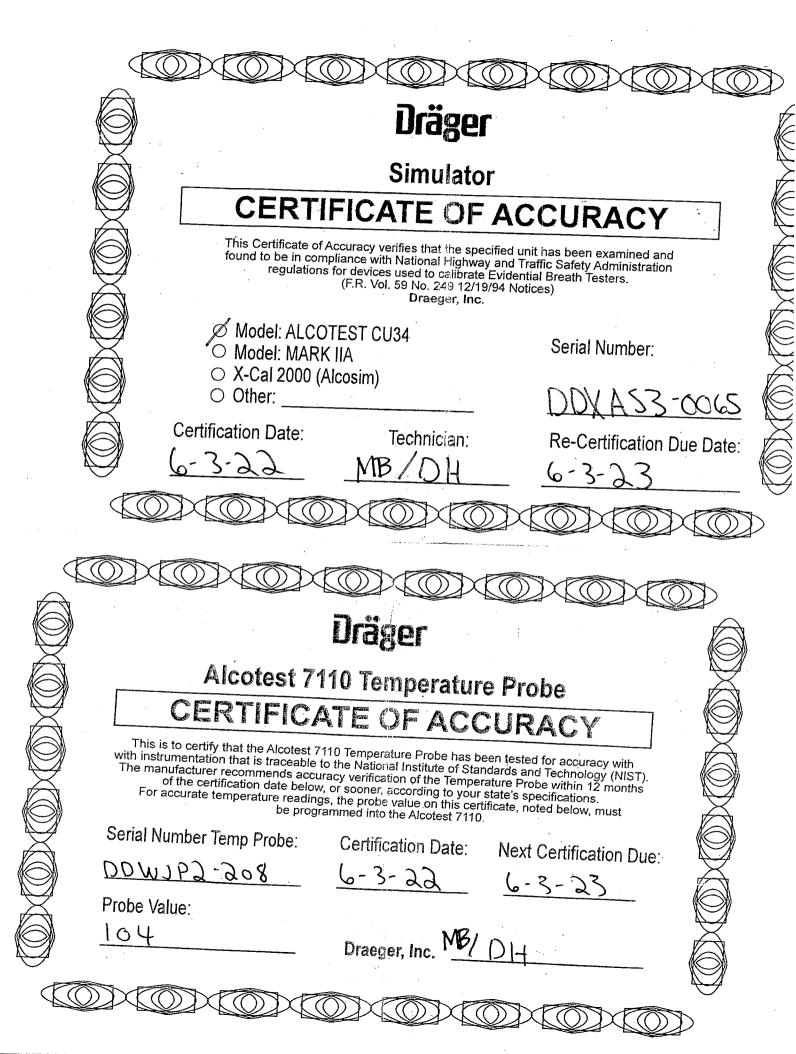
Control Company is an ISO/IEC 17025-2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Centificate No. 1750-31.

Control Company is ISO 9001-2515 Quality Centified by DNV GL, Cartificate No. CERT-01805-2006-AQ-HOU-ANAB.

International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-k/RA).









PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER

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.

Michael Kennedy Assistant Chief Forensic Scientist

Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 0 day of 1

_, 2021.

Notary

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



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OFFICE OF THE ATTORNEY GENERAL. PHILIP D. MURPHY DEPARTMENT OF LAW AND PUBLIC SAFETY DIVISION OF STATE POLICE Governor SHEILA Y. OLIVER

L. Governor

POST OFFICE BOX 7068 WEST TRENTON, NJ 08628-0068 (609) 882-2000

GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

CERTIFICATION OF ANALYSIS 0.040 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this day of

KAREN E. STAH NOTARY PUBLIC OF NEW JERSEY Commission # 50110622 My Commission Expires 8/13/202

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PHILIP D. MURPHY Converser

SHEILA Y, OLIVER Lt. Governor

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 0.080 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

and subscribed before me this 🗸 🖔 day of

2021.

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



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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

ANDREW J. BRUCK
Acting Attorney General

PATRICK J. CALLAHAN Colonel

SHEILA Y. OLIVER

PHILIP D. MURPHY

Governor

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 <u>0.1945</u> to <u>0.1977</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>July 29, 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this <u>30</u> day of <u>Aums</u>

Nofary CACH

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

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PHILIP D. MURPHY
Governor

SHEILA Y, OLIVER

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DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 08628-0068
(609) 882-2000

GURBIR S. GREWAL

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: 11/02/2020

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 20460

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of $\underline{0.1216}$ to $\underline{0.1227}$ 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 October 21, 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 13 day of Novembe, 20%



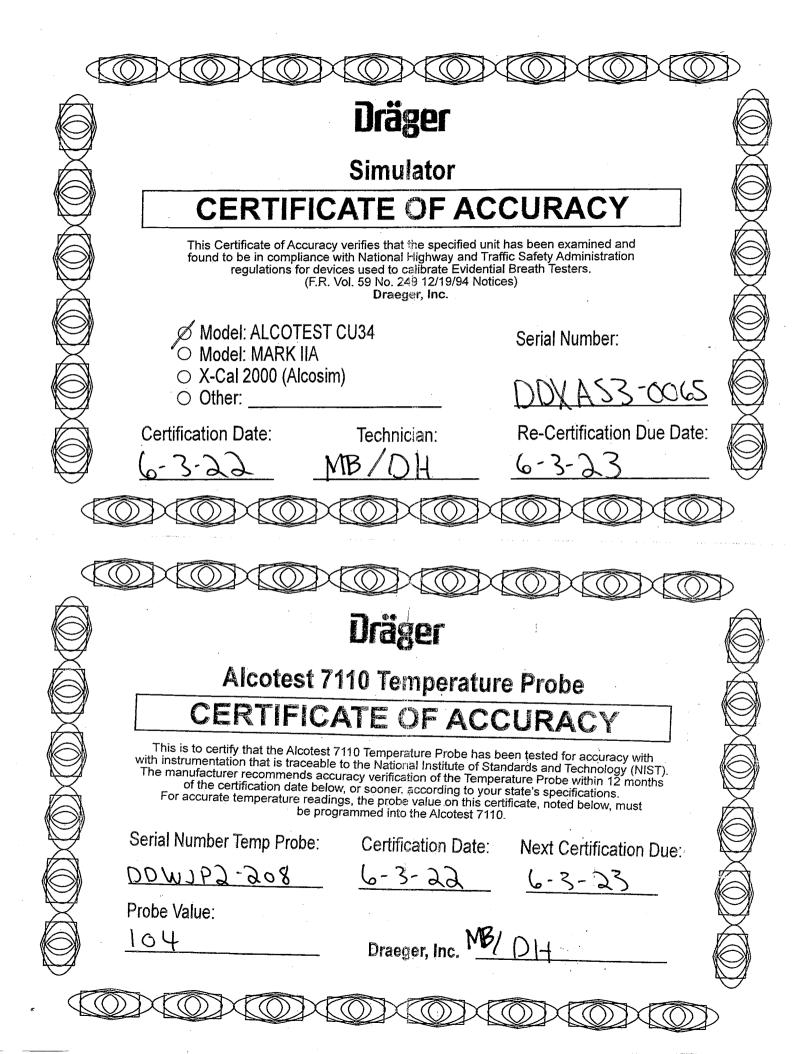
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S.P. 2938 (Rev. 06/15)



Alcotest 7110 Calibration Record

Equipment

Alcotest 7110 MKIII-C

Serial No.: ARWM-0092

Location:

VERONA POLICE DEPT.

Calibration File No.: Certification File No.: 00741 Linearity File No.:

00763

00742 00761

Lin. Date: File Date:

· Cert. Date: 07/01/2022 07/01/2022 Soln. Date: 11/27/2022 12/08/2022 Cert. No.: 00035 Lin. No.: 00035 Soln. No.: 00226

Calib. No.: 00046

Solution File No.: Sequential File No.:

Control Solution %:

Solution Control Lot:

Calibrating Unit:

00763 WET

0.100%

21210

Model No.: CU-34

Calib. Date: 12/08/2022

Serial No.: DDXA S3-0065 Expires: 06/16/2023

12/08/2022

Bottle No.: 0276

Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signature: 701.11

Badge No.: 7635

Date:

*Black Key Temperature Probe Serial.....# 00EE P2 - 049 F.H.

*Digital NIST Temperature Measuring System Serial....#

Pursuant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 13: 51, Iam 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. Pursuant to and consistent with, the current "Calibration Check Procedure for Alcotest 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: 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 I - Control Tests

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 MKIII-C VERONA POLICE DEPT 00763 00764 00742 00761 00764		07/01/2022	Serial No.: ARWM-0092 Calib. No.: 00046 Cert. No.: 00036 Lin. No.: 00035 Soln. No.: 00226
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 21210	Model No.:	: CU-34	Serial No.: DDXA S3-0065 Expires: 06/16/2023 Bottle No.: 0276
Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	15:57S	24.00.0	dedute MEGGE D A GGEED states.
Control 1 EC	0.099%	15:58S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	15:58S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:58S	24.000	statute EFFICE D A COFFD statute
Control 2 EC	0.099%	15:59S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.098%	15:59S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	16:00S		
Control 3 EC	0.100%	16:00S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.101%	16:00S	34.0°C	*** TEST PASSED ***
Ambient Air Blank		16:01S	markan	AND THE PROPERTY OF THE PROPER

All tests within acceptable tolerance

Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Badge No.: 763

Signature:

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 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. Pursuant to and consistent with, the current "Calibration Check Procedure for Alcotest 7 [10] 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

Equipment Location:	Alcotest 7110 MKIII-C VERONA POLICE DEPT			Serial No.:	ARWM-0092
Calibration File No.:	00763	Calib. Date	: 12/08/2022	Calib. No.:	00046
Certification File No.:	00764	Cert. Date:	12/08/2022	Cert. No.:	00036
Linearity File No.:	00765	Lin. Date:	12/08/2022	Lin. No.:	00036
Solution File No.:	00761	Soln. Date:	11/27/2022	Soln. No.:	00226
Sequential File No.:	00765	File Date:	12/08/2022		
\$!					
Calibrating Unit:	WET	Model No.:	CU-34		DDSC S3-0014
Control Solution %:	0.040%			-	07/06/2023
Solution Control Lot:	21250			Bottle No.:	0481
3					
Calibrating Unit:	WET	Model No.:	CU-34		DDXD S3-0181
Control Solution %:	0.080%				07/19/2023
Solution Control Lot:	21260			Bottle No.:	0860
a	***************************************		arr a t	a	DDIVE 60 0000
Calibrating Unit	WET	Model No.:	CU-34		DDWE S3-0200
Control Solution %:	0.160%			•	07/29/2023
Solution Control Lot:	21290			Bottle No.:	0782
T	D 1/	m:	TT	0	
Function	Result %BAC	Time HH:MM	Temperature		nent(s)
Ambient Air Dlenk			Simulator (°C)	or En	ror(s)
Ambient Air Blank Control 1 EC	0.000% 0.040%	16:10S 16:11S	33.9°C	ቀቀቀ መድርጥ ወ	ላ ርርርፓርን ቀቀቀ
Control 1 IR	0.038%	16:11S 16:11S	33.9°C	*** TEST P *** TEST P	
Ambient Air Blank	0.000%	16:11S 16:12S	33.9 C	TEST P	ASSED ****
Control 2 EC	0.040%	16:12S	33.9°C	*** TEST P	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Control 2 IR	0.038%	16:13S	33.9°C	*** TEST P	
Ambient Air Blank	0.000%	16:14S	33.7 C	TEST I	ADDED
Control 3 EC	0.080%	16:15S	34.1°C	*** TEST P	ASSED ***
Control 3 IR	0.077%	16:15S	34.1°C	*** TEST P	
Ambient Air Blank	0.000%	16:17S			
Control 4 EC	0.079%	16:17S	34.1°C	*** TEST P	ASSED ***
Control 4 IR	0.077%	16:17S	34.1°C	*** TEST P	
Ambient Air Blank	0.000%	16:19S			
Control 5 EC	0.158%	16:19S	33.9°C	*** TEST P	ASSED ***
Control 5 IR		16:19S	33.9°C	*** TEST P	ASSED ***
Ambient Air Blank	0.155%	10:193	33.7 C	ILDII	
Ambient Am Diank	0.155 <i>%</i> 0.000 <i>%</i>	16:19S 16:21S	33.9 C	ILDII	
Control 6 EC			33.9°C	*** TEST P	
	0.000%	16:21S			ASSED ***
Control 6 EC	0.000% 0.158%	16:21S 16:22S	33.9°C	*** TEST P	ASSED ***

All tests within acceptable tolerance.

Coordinator Last Name: HURTADO

MI: A.

fra frage 11 7635

Badge No.: 7635

Date: 12/08/2022

Calibrating Unit New Standard Solution Report

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7110 M VERONA POLIC 00763 00764 00765 00766 00766		Calib. Date: Cert. Date: Lin. Date: Soln. Date: File Date:	12/08/2022 12/08/2022 12/08/2022 12/08/2022 12/08/2022	Serial No.: Calib. No.: Cert. No.: Lin. No.: Soln. No.:	ARWM-0092 00046 00036 00036 00227
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.100% 22160		Model No.:	CU-34	Serial No.: Expires: Bottle No.:	DDXA S3-0065 05/09/2024 0325
Function			Time	Temperature		ment(s)
A material Arm Dia ata	•		HH:MM	Simulator (°C)	or Er	ror(s)
Ambient Air Blank Control 1 EC			17:27S 17:28S	34.0°C	*** ጥሮርጥ ፤	PASSED ***
Control 1 IR			17:28S	34.0°C		PASSED ***
Ambient Air Blank			17:29S	54.0 C	1ESI I	ABBLD
Control 2 EC				34.0°C	*** TEST I	PASSED ***
Control 2 IR			17:29S	34.0°C	*** TEST I	PASSED ***
Ambient Air Blank	0.	.000%	17:30S			
Control 3 EC	0.	.099%	17:31S	34.0°C	*** TEST I	PASSED ***
Control 3 IR	0.	.099%	17:31S	34.0°C	*** TEST I	PASSED ***
Ambient Air Blank	0.	.000%	17:32S			

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.

Changed By:

Last Name: HURTADO

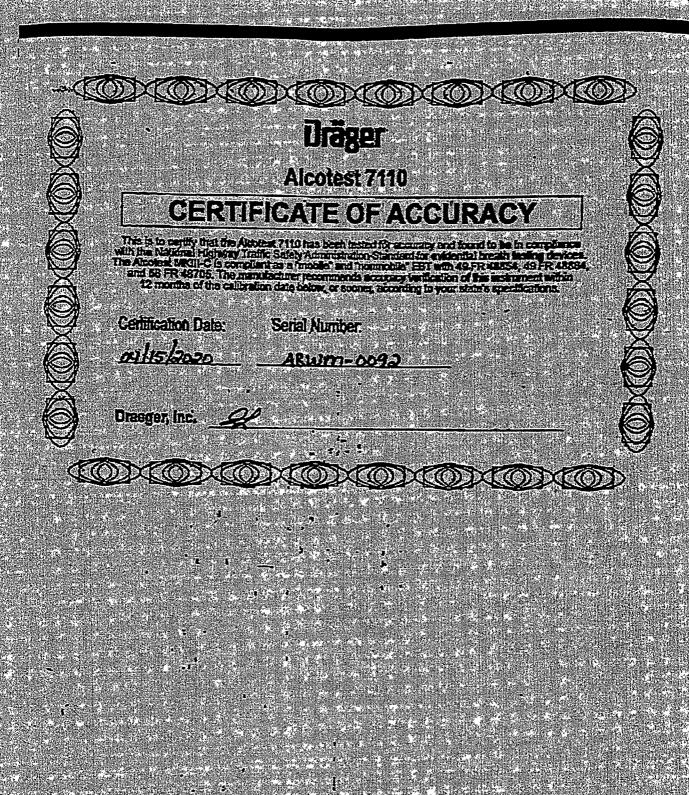
First Name: FRANCISCO

MI: A.

Junfantado H 7635

Badge No.: 7635

Date: 12/08/2022



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

Coordinator:

RANCISCO A. HURTADO

Location:

ARWM - 0092
Alcotest Serial No.

Equipment:

Digital NIST Temperature Measuring System Serial No.

Simulator Solution Concentration	CU-34 Simulator Serial No.	Time Simulators Started to Heat	Time Temp. Reading Obtained	Tem p. Reading on NIST Traceable Thermometer
0.04%	DOSC 53-0014	14:405	15:465	33.9°c
0.08%	DDXD 53-0181	14:405	15:475	34.1'C
0.10%	00XA 53-0065	14:405	15:485	34.0°C
0.16%	MWE 53-0200	14:405	15:495	33.9°C

Pursuant to Jaw and the "Chemical Breath Testing Regulations" established at N.J.A.C. 13=51. Jam.a.duly appointed Breath Test Coordinator/Instructor. In my official capacity and consistent with the "Calibration Circle." 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 71.10 MKIII-C instrument identified on this certificate. Pursuant to the current "Calibration Check Procedure for Allcotest 71.10%, 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, were 34.0 degrees Celsius ± 0.2 degrees Celsius. I hereby certify that I truthfully recorded on this certificate the temperatures of each of the simulator solutions as shown on the Digital MISTtraceable 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.

Coordinator's Squature Locale 11 7635

12-08-2022 Date



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



Cert. No.: 4000-12064536

Traceable® Certificate of Calibration for Digital Thermometer

Manufactived for and distributed by: VWR International LLC Radnor Corporate Center, Eldg 1,Ste 200, 100 Matsonford

Instrument Identification:

Model: 61220-601

Manufacturer: Control Company

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Certificate information:

Technician: 420 Procedure: CAL-06 Test Conditions: ...62:18%RH 22:28°C 1006mBar

Calibration Data: (New Instrument)

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

Maintaining Accuracy:

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



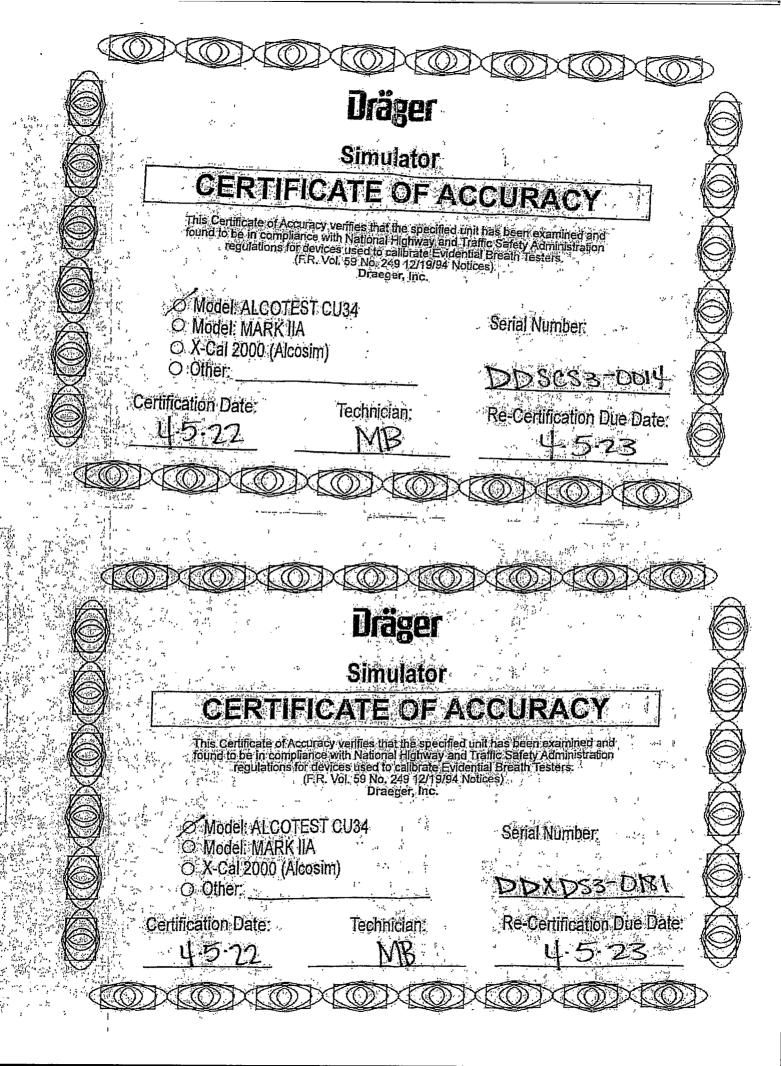
Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001

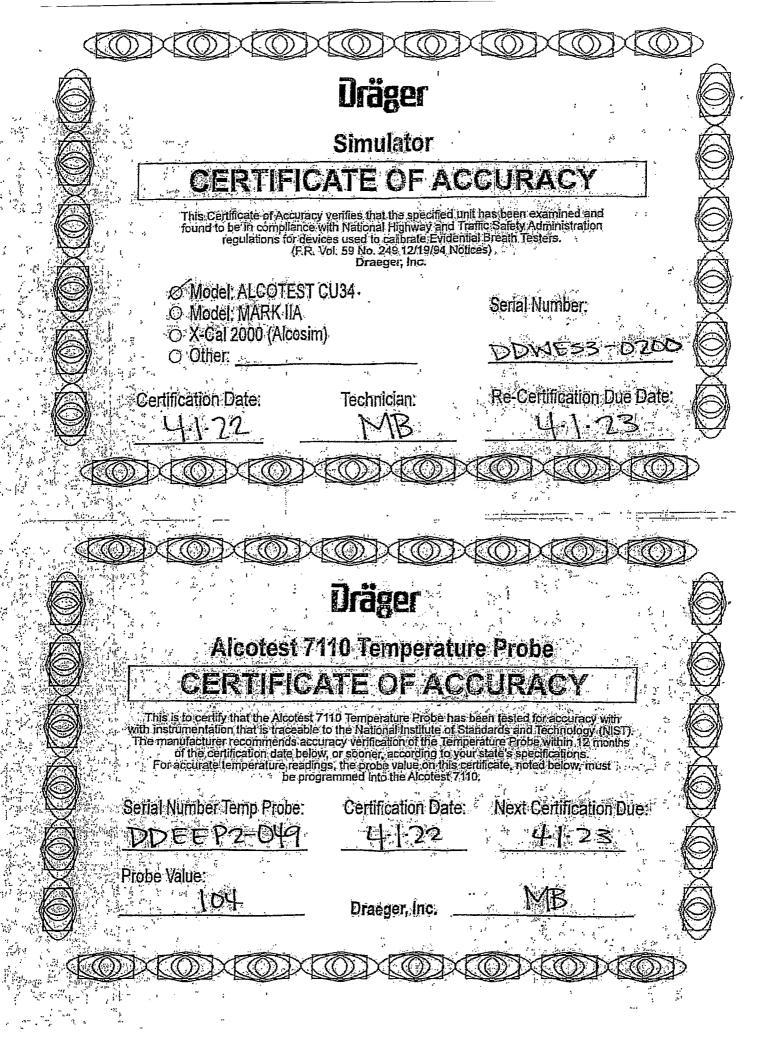


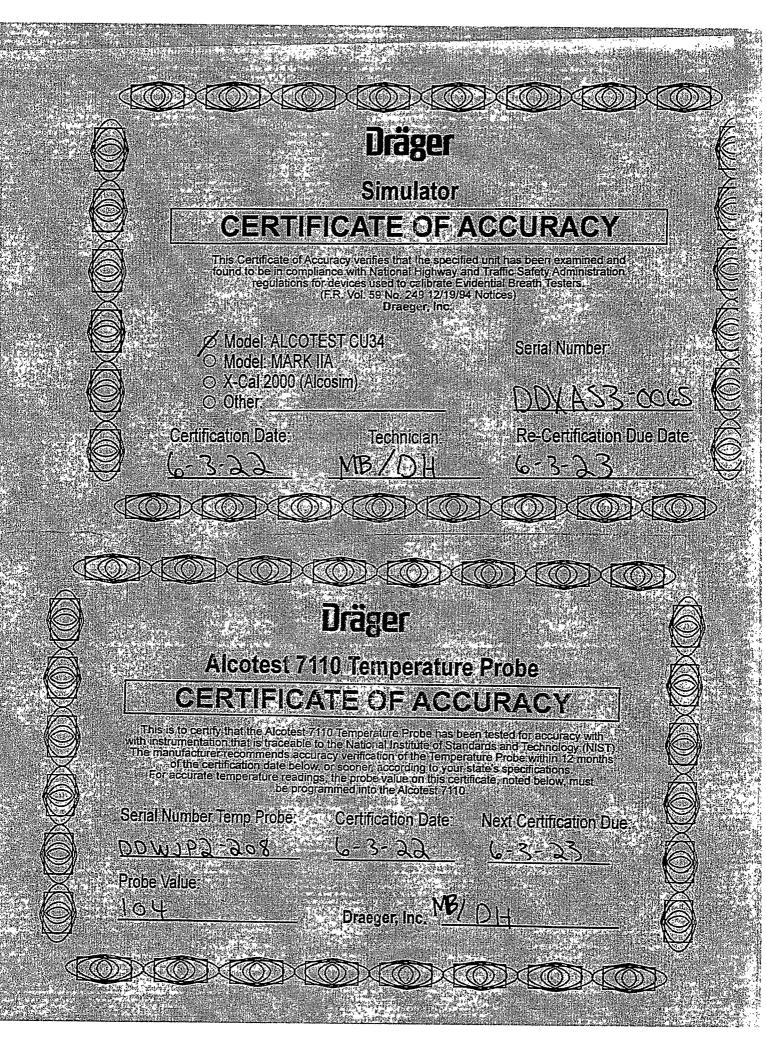
Cert. No.: 4000-12064536

Allen Kall	Traceable® Certificate of Calibration for Digital Thermometer
Recalibra For techny carby	The state of the s
Issue Date: 177	Mir 2002

CONTROL COMPANY 12554 Galveston RD Suite 2230 Webster TX USA 77598. Phone 281 482:1714 Fax 281 482:9448 Sales@control3.com www.traceable.com









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) 882-2600

GURBIR S. GREWAL

PATRICK J. CALLAHAN

Governor |
SHEILA Y. OLIVER
Lt. Governor

PEULIP D. MURPHY

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 <u>June 16, 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

sworm to and subscribed before me this 🔬 day of 🗍 🔱 🙏 2021.

Notary

KAREN E. STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 501 10322 My Commission Expires 8/13/2034



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New Jersey Is An Equal Opportunity Employer Printeson Recycled Poper and Recyclable





OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 08623-0068
(609) 882-2000

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.

PHILIP D. MURPHY

Governor

SHEILA Y. OLIVER

Lt. Governor

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 <u>0.0485</u> to <u>0.0489</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>July 06, 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.

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this \(\frac{1}{2} \) day of \(\frac{1}{2} \) day of \(\frac{1}{2} \)

KAREN E. STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 50110822 My Commission Engles 8/13/2024

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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

Governor |
SHFILA Y. OLIVER
Li. Governor |

PHILIP D. MURPHY

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: <u>07/27/2021</u>

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

Sworn to and subscribed before me this 28 day of

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. 2021

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



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DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 08628-0068
1609] 882-2000

ANDREW J. BRUCK
Acting Attorney General

PATRICK J. CALLAHAN Colonel

Governor
SHEILA Y. OLIVER

PHILIP D. MURPHY

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 <u>0.1945</u> to <u>0.1977</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 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

Sworn to and subscribed before me this (1) day of August, 202

KAREN E. STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 60110522 My Commission Expires 8/13/2024

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PHILIP D. MURPHY

Governor

SHEILA Y. OLIVER

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

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 <u>0.1207</u> to <u>0.1223</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 9, 2024.

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.

Michael Kennedy
OFS Director

NJSP Office of Forensic Sciences

Sworn to and subscribed before me

 \mathbf{me} in \mathbf{w} day of \mathbf{w}

, 2022,

KAREN E. STAHL NOTARY PUBLIC OF NEW ER8E-Commission & 60110522 My Commission Express 0/18/2024

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