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ARWF-0394

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Department of and Hublic Safet
Dennis J. Lutz
Breath Test Coordinator/Instructor
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DEPARTMENT OF AND HUBBIC SAFEE
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Dennis J. Latz
New Jersey State Police
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OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
FOST OFFICE BOX 7068
WEST TRENTON, NJ 08628-0068
(609) 882-2000

GURBIR S. GREWAI,
Attorney General

PATRICK J. CALLAHAN
Colonel

PHILIP D. MURPHY Governor

SHEILA Y, OLIVER
Lt. Governor

CERTIFICATION OF ANALYSIS 0.10 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 Safety, Inc.

ANALYSIS DATE: 07/31/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18220

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>0.1210</u> to <u>0.1233</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 23, 2020.

As Research 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.

Alf M. Alhovie, Ph.D.

Research Scientist

NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 1st day of Acquest , 2018

Notary

MARY ELIZABETH MCLAUGHLIN

ID # 2052190 NOTARY PUBLIC STATE OF NEW JERSEY My Commission Expires Dec. 24, 2018



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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER

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(609) 882-2000

GURBIR S. GRBWAL

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 Safety, Inc.

ANALYSIS DATE: 08/28/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18240

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0486 to 0.0489 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traccable 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 31, 2020.

As Research 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.

Ali M. Alaouie, Ph.D. Research Scientist

NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 27 that of Alfill, 2018

MARY ELIZABETH MCLAUGHLIN

ID # 2052190 NOTARY PUBLIC STATE OF NEW JERSEY My Commission Expires Dec. 24, 2018



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OFFICE OF THE ATTORNEY GENERAL DEPAREMENT OF LAW AND PUBLIC SAFETY DIVISION OF STATE POLICE POST OFFICE BOX 7068 WEST TRENTON, NJ 08628-0068

GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Chlonel

Governor SHBILA Y, OLIVER Lt. Governor

PHILIP D. MURPHY

CERTIFICATION OF ANALYSIS 0.080 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

(609) 882-2000

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

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 08/30/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0976 to 0.0987 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 August 06, 2020.

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

och Kenne

Sworn to and subscribed before me this 44 day of _

MARY ELIZABETH MCLAUGHLIN

ID # 2052190 NOTARY PUBLIC STATE OF NEW JERSEY My Commission Expires Dec. 24, 2018



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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER

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GURBIR S. GREWAL

Aitorney 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 Safety, Inc.

ANALYSIS DATE: 09/13/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18260

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>0.1938</u> to <u>0.1964</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 August 21, 2020.

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 15-day of September 2018.

Notary

Sworn to and subscribed before me this 15-day of September 2018.

MARY ELIZABETH MCLAUGHLIN

ID # 2052190 NOTARY PUBLIC STATE OF NEW JERSEY My Commission Expires Dec. 24, 2018



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



Cert. No.: 4000-10177848

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

Instrument Identification:

Model: 61220-601,

S/N: 191959029

Manufacturer: Control Company

ndards/Equipment:			
<u>Description</u>	Serial Number	<u>Due Date</u>	NIST Traceable Reference
Temperature Calibration Bath	93139		
Thermistor Module	A17118	20 Apr 2019	1000424560
Thermistor Module	A27129	10 Jan 2020	1000436202
Temperature Calibration Bath	A73332		
Temperature Probe	3039	08 May 2019	6-B7F4L-20-1
Temperature Calibration Bath	A79341		
Temperature Probe	5394	29 Jan 2020	B9124038
Temperature Calibration Bath	B16388	•	
Temperature Probe	5267	28 Jan 2020	B9124036

Certificate Information:

Technician: 104

Procedure: CAL-06

Cal Date: 13 Feb 2019

Cal Due Date: 13 Feb 2021

Test Conditions: 38.85%RH 24.21°C 1023mBar

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±υ	TUR
°C	N.A.	N.A.		-0.002	0.001	Υ	-0.052	0.048	0.0087	>4:1
°C	N.A.	N.A.		24.999	25.000	Υ	24.949	25.049	0.0087	>4:1
°C	N.A.	N.A.		50.001	50.000	Υ	49.951	50.051	0.0087	>4:1
°C	N.A.	N.A.		100.000	100.002	Υ	99.95	100.05	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 tolerance conditions are based on test results falling 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 Confrol 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 Ralio; Accuracy=±(Max-Min)/2; Min=As Left Nominal(Rounded) – Tolerance; Max= As Left Nominal(Rounded) + Tolerance;

Nicol Rodriguez

Aaron Judice, Technical 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.

Recalibration:

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

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

Control Company is an ISO/IEC 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.

Control Company is ISO 9001:2008 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-RvA.

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

ITEM 6 (Pg2)

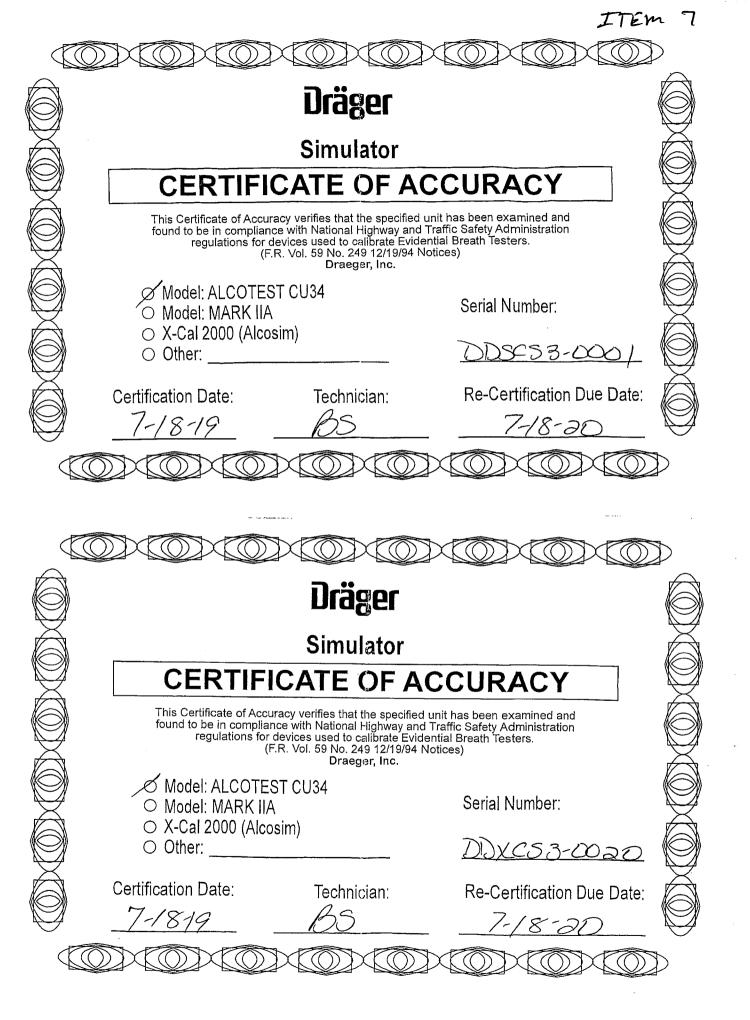


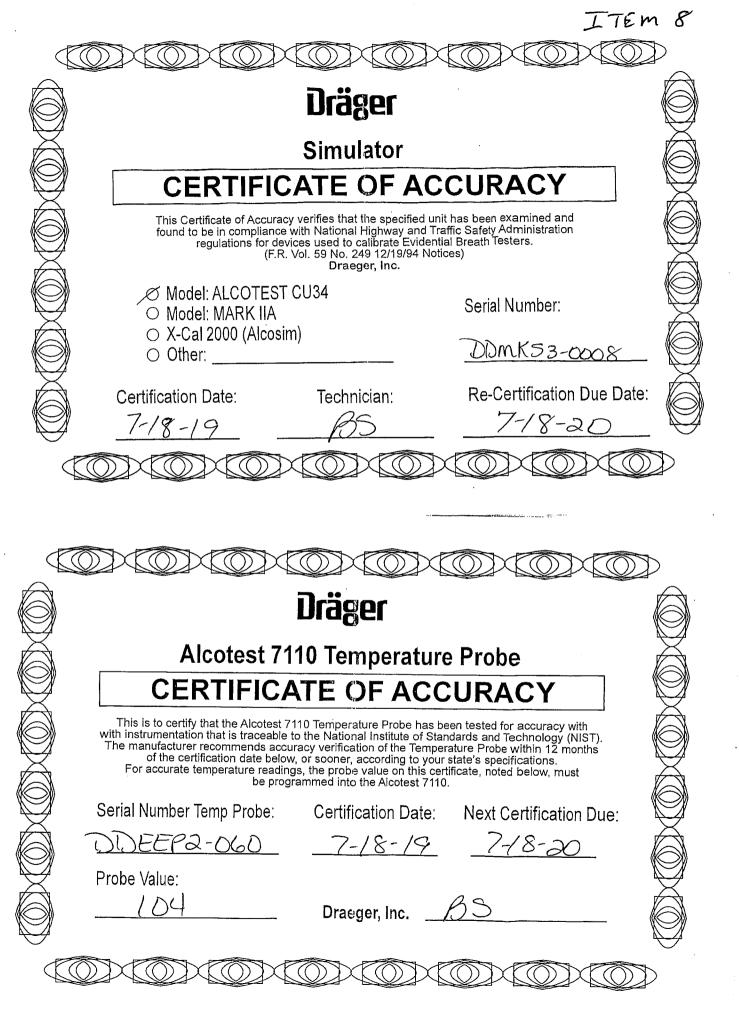
Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001

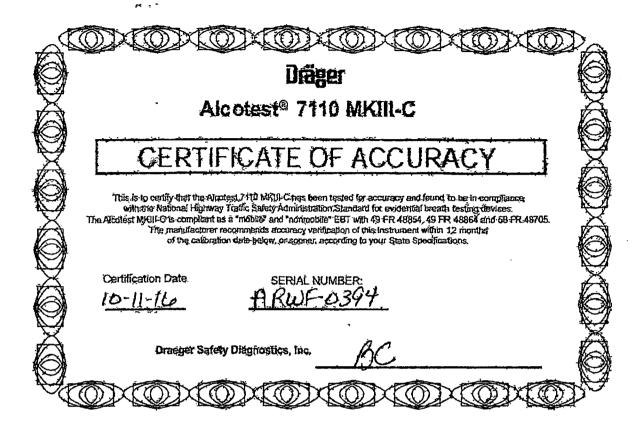


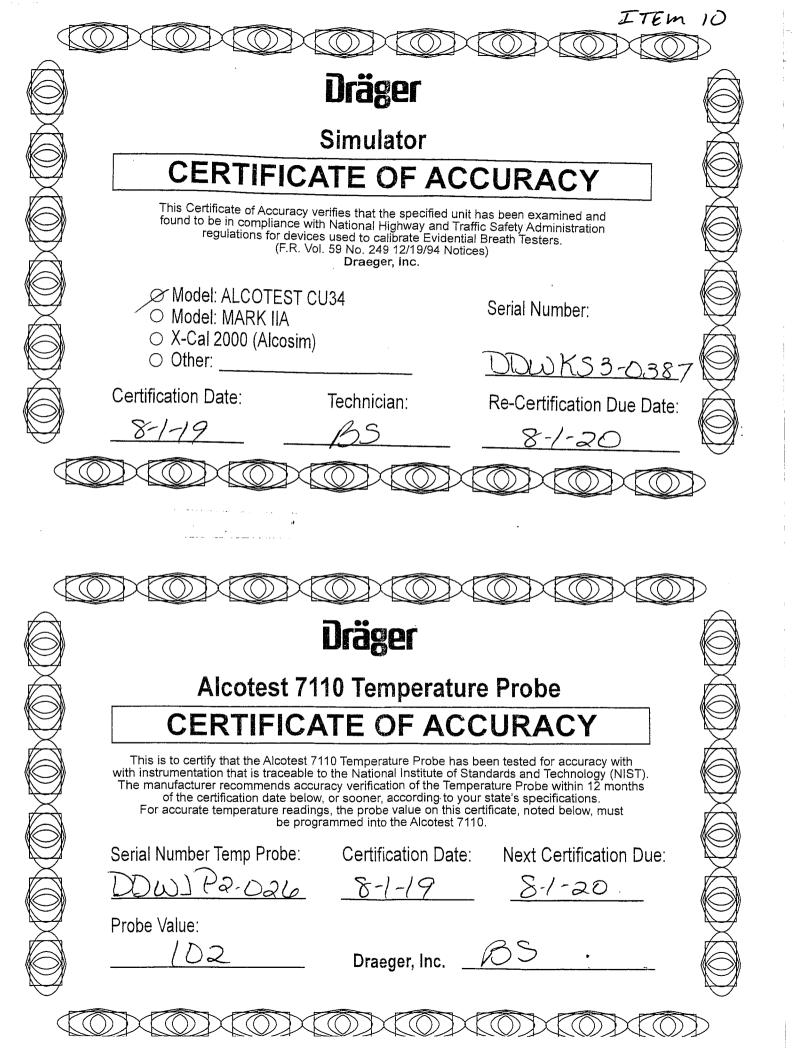
Cert. No.: 4000-10177848

Traceable® Certificate of Calibration for Digital Thermometer









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

Coording	ator:			
Ter	工	Dennis	JW	tz
Name				

7045 Badge No.

Location:

Toms River P.D.

ARWF-0394

Agency

Alcotest Serial No.

Equipment:

191 959 029

Digital NIST Temperature Measuring System Serial No.

Simulator Solution Concentration	CUº34 Simulator Serial No.	Time Simulators Started to Heat	Time Temp. Reading Obtained	Temp. Reading on NIST Traceable Thermometer
0.04%	DDSC 53-0001	II: 33 D	12:34D	34.0°C
0.08%	DDxc 53-0020	II 33D	12:340	34.0°C
0.10%	DDWK 53-0387	II:33 D	12:35P	34.0°C
0.16%	DDMK 53-0008	11:33D	12:360	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 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 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

4-9-19

Date

Alcotest 7110 Calibration Record

05/01/2019

09/09/2019

Equipment

Alcotest 7110 MKIII-C

Location:

TOMS RIVER P.D.

Calibration File No.:

01793 Certification File No.: 01768

Linearity File No .: Solution File No.: Sequential File No.: 01769 01784 01793

Calibrating Unit:

Control Solution %: 0.100% Solution Control Lot: 18220

WET

Lin. Date:

File Date:

Model No.: CU-34

Calib. Date: 09/09/2019

Cert. Date: 05/01/2019

Soln. Date: 08/23/2019

Serial No.: DDWK S3-0387 Expires: 07/23/2020

Serial No.: ARWF-0394

Calib. No.: 00043

Cert. No.: 00032

Lin. No.: 00032

Soln. No.: 00289

Bottle No.: 0410

Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

Badge No.: 7045

Date: 09/09/2019

*Black Key Temperature Probe Serial.....

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

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 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: 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 Alcotest 7110 MKIII-C Location: Serial No.: ARWF-0394 TOMS RIVER P.D. Calibration File No.: 01793 Calib. Date: 09/09/2019 Calib. No.: 00043 Certification File No.: 01794 Cert. Date: 09/09/2019 Cert. No.: 00033 Linearity File No.: 01769 Lin. Date: 05/01/2019 Lin. No.: Solution File No .: 00032 01784 Soln. Date: 08/23/2019 Soln. No.: 00289 Sequential File No.: 01794

File Date: 09/09/2019

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWK S3-0387
Control Solution %: 0.100%
Solution Control Lot: 18220

Model No.: CU-34
Serial No.: DDWK S3-0387
Expires: 07/23/2020

Bottle No.: 0410

Function Result Time Temperature Comment(s) %BAC HH:MM Simulator (°C) or Error(s) Ambient Air Blank 0.000% 12:45D Control 1 EC 0.099% 12:46D 33.9°C *** TEST PASSED *** Control 1 IR 0.099% 12:46D 33.9°C *** TEST PASSED *** Ambient Air Blank 0.000% 12:46D Control 2 EC 0.099% 12:47D 33.9°C *** TEST PASSED *** Control 2 IR 0.100% 12:47D 33.9°C *** TEST PASSED *** Ambient Air Blank 0.000% 12:48D Control 3 EC 0.098% 12:48D 33.9°C *** TEST PASSED *** Control 3 IR 0.100% 12:48D 33.9°C *** TEST PASSED *** Ambient Air Blank 0.000% 12:49D

All tests within acceptable tolerance.

Coordinator

Last Name: LUTZ

Signature:

First Name: DENNIS

Badge No.: 7045

Date: 09/09/2019

MI: J

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 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:	Alcotest 7110 TOMS RIVER				Serial No.:	ARWF-0394
Calibration File No.:	01793		Calib. Date	: 09/09/2019	Calib. No.:	00043
Certification File No.:	01794		Cert. Date:	09/09/2019	Cert. No.:	00033
Linearity File No.:	01795		Lin. Date:	09/09/2019	Lin. No.:	00033
Solution File No.:	01784		Soln. Date:	08/23/2019	Soln. No.:	00289
Sequential File No.:	01795		File Date:	09/09/2019		
Calibrating Unit:	WET		Model No.:	: CU-34		DDSC S3-0001
Control Solution %:	0.040%				Expires:	07/31/2020
Solution Control Lot:	18240				Bottle No.:	0460
Calibrating Unit:	WET		Model No.:	: CU-34	Serial No.:	DDXC S3-0020
Control Solution %:	0.080%				Expires:	08/06/2020
Solution Control Lot:	18250				Bottle No.:	1418
Calibrating Unit:	WET		Model No.:	: CU-34	Serial No.:	DDMK \$3-0008
Control Solution %:	0.160%				Expires:	08/21/2020
Solution Control Lot:	18260				Bottle No.:	1313
Function		Result	Time	Temperature		ment(s)
		%BAC	HH:MM	Simulator (°C)	or Eı	cror(s)
Ambient Air Blank		0.000%	13:05D			
Control 1 EC		0.040%	13:05D	33.9°C		PASSED ***
Control 1 IR		0.040%	13:05D	33.9°C	*** TEST I	PASSED ***
Ambient Air Blank		0.000%	13:07D	22.000		
Control 2 EC Control 2 IR		0.040%	13:08D	33.9°C		PASSED ***
Ambient Air Blank		0.040%	13:08D	33.9°C	*** TEST I	PASSED ***
Control 3 EC		0.000% 0.080%	13:09D	24.000	ቀቀቀ መጋርመ I	DA COTTO Mediale
Control 3 IR		0.080%	13:10D 13:10D	34.0°C 34.0°C		PASSED ***
Ambient Air Blank		0.000%	13:10D 13:11D	34.0°C	TAT IEST I	PASSED ***
Control 4 EC		0.080%	13:11D 13:12D	34.0°C	*** TECT I	PASSED ***
Control 4 IR		0.080%	13:12D 13:12D	34.0°C		PASSED ***
Ambient Air Blank		0.000%	13:12D 13:13D	34.0 C	TEST I	TASSED """
Control 5 EC		0.159%	13:14D	34.0°C	*** TFCT 1	PASSED ***
Control of D						LASSED TOTAL
Control 5 IR						
Control 5 IR Ambient Air Blank		0.158%	13:14D	34.0°C		PASSED ***
Control 5 IR Ambient Air Blank Control 6 EC		0.158% 0.000%	13:14D 13:15D	34.0°C	*** TEST I	PASSED ***
Ambient Air Blank		0.158%	13:14D 13:15D 13:16D	34.0°C 34.0°C	*** TEST I	PASSED *** PASSED ***
Ambient Air Blank Control 6 EC		0.158% 0.000% 0.158%	13:14D 13:15D	34.0°C	*** TEST I	PASSED ***

All tests within acceptable tolerance.

Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

Badge No.: 7045

Date: 09/09/2019

Calibrating Unit New Standard Solution Report

Equipment Location:	Alcotest 7110 MKIII TOMS RIVER P.D.	-C		Serial No.: ARWF-0394
Calibration File No.:	01793	Calib. Dat	te: 09/09/2019	Calib. No.: 00043
Certification File No .:	01794	Cert. Date	e: 09/09/2019	Cert. No.: 00033
Linearity File No.:	01795	Lin. Date:	: 09/09/2019	Lin. No.: 00033
Solution File No.:	01796	Soln. Date	e: 09/09/2019	Soln. No.: 00290
Sequential File No.:	01796	File Date:	09/09/2019	
Calibrating Unit:	WET	Model No	.: CU-34	Serial No.: DDWK S3-0387
Control Solution %:	0.100%			Expires: 02/11/2021
Solution Control Lot:	19060			Bottle No.: 0010
Function	Desci	T'	m	
Tunction	Resul	Time	Temperature	Comment(s)
	%BA		Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank		C HH:MM	•	* *
Ambient Air Blank Control 1 EC	%BA	C HH:MM % 14:30D	•	* *
Ambient Air Blank Control 1 EC Control 1 IR	%BA 0.000	C HH:MM % 14:30D % 14:31D	Simulator (°C)	or Error(s) *** TEST PASSED ***
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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:

Changed By:

Last Name: LUTZ

First Name: DENNIS

MI: J

Badge No.: 7045

Date:

09/09/2019



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 Safety, Inc.

ANALYSIS DATE: 02/28/2019

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 19060

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1216 to 0.1228 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 February 11, 2021.

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 /

PETER F MURPHY IV My Commission Expires

August 1, 2019

"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer Printed on Recycled Paper and Recyclab.





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