ALCOTEST CERTIFICATIONS INDEX 12-27-2018

ARAJ-0075

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DEPARTMENT OF	ORIGINAL COUR	SE DATES	ł
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David M. Napolitano	3.		
Breath Test Coordinator/Instructor	5.		
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DEPARTMENT OF	ORIGINAL COURSE	Refresher Course PLACE	INSTRUCTOR
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David M. Napolitano New Jersey State Police	41/16/18 L	AKE HUDGET	Adam Stanks
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CHRIS CHRISTIE

Governor

KIM GUADAGNO

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

CHRISTOPHER S. PORRINO
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

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: 08/24/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17230

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>0.1202</u> to <u>0.1216</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>August 07, 2019</u>.

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 24 day of august, 2017.

ATTE OF

PETER P MURPHY IV My Commission Expires August 1, 2019



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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 CHRISTOPHER S. PORRINO
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS 0.04 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: 08/29/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17240

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>0.0483</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 August 10, 2019.

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 30th day of August

Notary

CHRIS CHRISTIE

Covernor

KIM GUADAGNO

Lt. Governor

MARY ELIZABETH MCLAUGHLIN

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



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CHRIS CHRISTIE

KIM GUADAGNO

Lt. Governor

OFFICE OF THE ATTORNEY GENERAL
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CHRISTOPHER S. PORRINO
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS 0.08 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 Safety, Inc.

ANALYSIS DATE: 09/07/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17250

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>0.0963</u> to <u>0.0973</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>August 15, 2019</u>.

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 11 day of September, 2017.

Notary

PETER F MURPHY IV My Commission Expires August 1, 2019

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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 NU 08628-0068

WEST TRENTON, NJ 08628-0068 (609) 882-2000 CHRISTOPHER S. PORRINO
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS 0.16 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: 09/12/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1937 to 0.1957 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>August 21, 2019</u>.

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 13 day of Soplember, 2017.

Notary

CHRIS CHRISTIE

Governor

KIM GUADAGNO

Lt. Governor

PETER F MURPHY IV My Commission Expires August 1, 2019



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



Cert. No.: 4000-8483334

Certificale No. 1750.01 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: 170297886

Manufacturer: Control Company

Standards/Equipment:

<u>Description</u>	Serial Number	<u>Due Date</u>	NIST Traceable Reference
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A27129	12/01/17	1000401760
Temperature Probe	5267	12/06/17	B6B30059
Temperature Calibration Bath TC-191	A42238		
Thermistor Module	A27129	12/01/17	1000401760
Temperature Probe	5202	12/19/17	B6B30058-1
Temperature Calibration Bath TC-218	A73332		
Thermistor Probe	5356	1/10/18	B7104024
Readout, Digital Thermometer	B5C344	3/12/18	B7314035
Temperature Calibration Bath TC-275	B16388 *		
Thermistor Probe	5357	1/06/18	B7104023
Readout, Digital Thermometer	B5C344	3/12/18	B7314035

Certificate information:

Technician: 104

Procedure: CAL-06

Cal Date: 4/22/17

Due Date: 4/22/19

Test Conditions:

23.9°C

61.0 %RH 1012 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	in Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
*C		N.A.		0.002	0.000	Y	-0.048	0.052	0.010	>4:1
*C		N.A.		25.000	25.001	Y	24.950	25,050	0.010	>4:1
°C		N.A.		49.998	50.001	Y	49,948	50.048	0.010	>4:1
- °C		N.A.		99.998	100.003	Y	99.948	100.048	0.010	≯4:1 、

This instrument was calibrated using instruments Traceable to National Institute of Standards and Technology.

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 85% 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 Control Company.

Nominal=Standard's Reading: As Left-instrument's Reading; In Tol-In Tolerance; Min/Max=Acceptance Renge; ±U=Expanded Measurement Uncertainty: TUR=Test Uncertainty Retlo; Accuracy=±(Max-Min)/2; Min = As Left Nominal(Rounded) - Tolerance; Max = As Left Nominal(Rounded) - Tolerance; Date=MM/0D/YY

Hid Lodrigues

Aaron Judice, Technical Manage

Maintaining Accuracy:

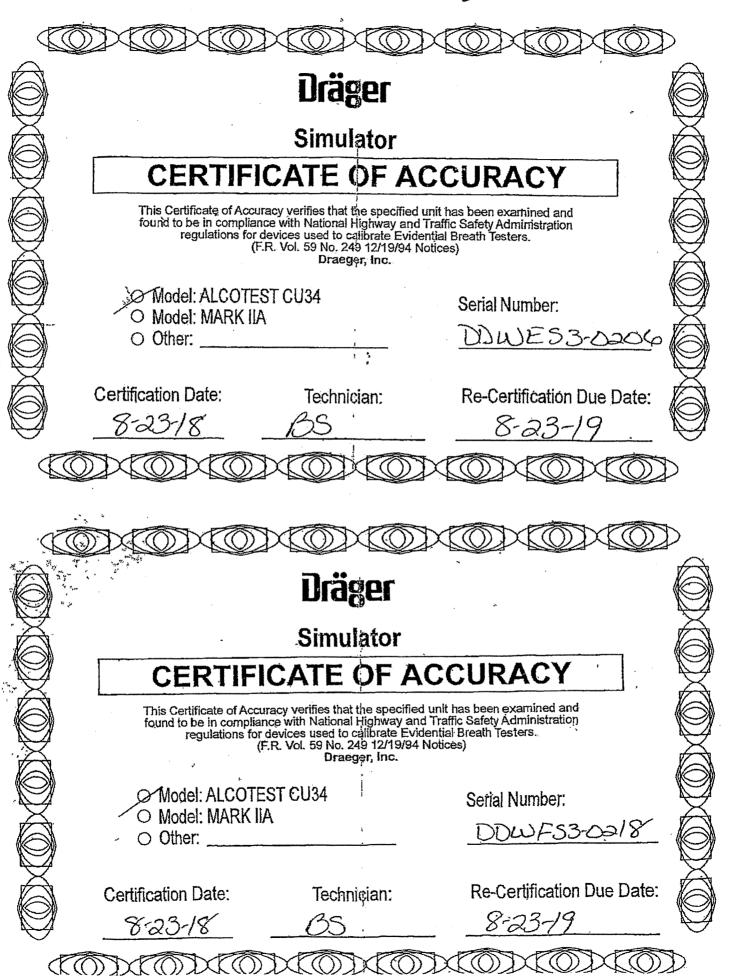
In our opinion once calibrated your Digital Thermometer should maintain its accuracy, There is no exact way to determine how long calibration will be maintained. Digital Thermometers change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

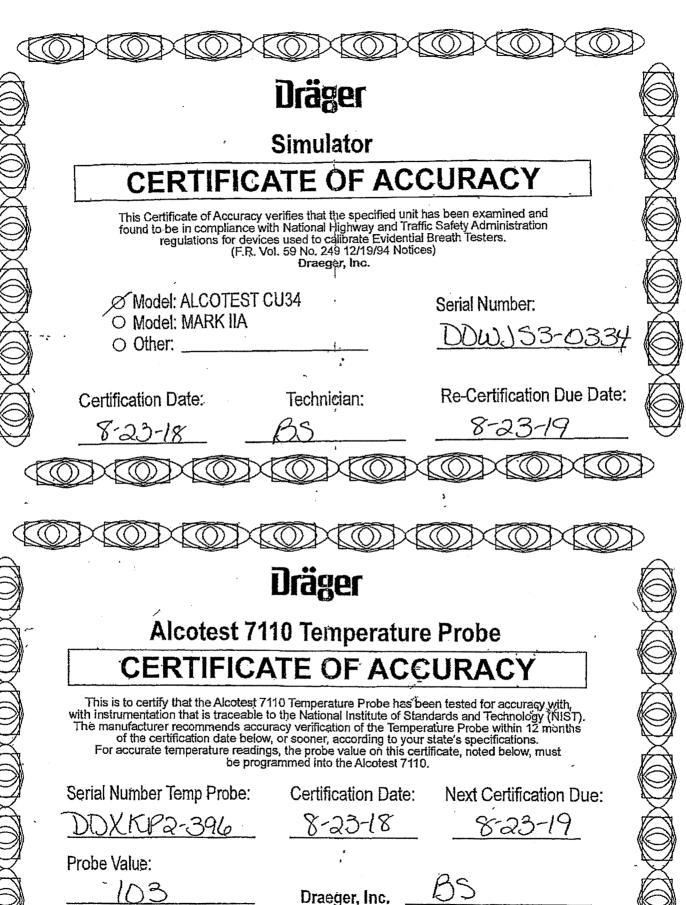
Recalibration:

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

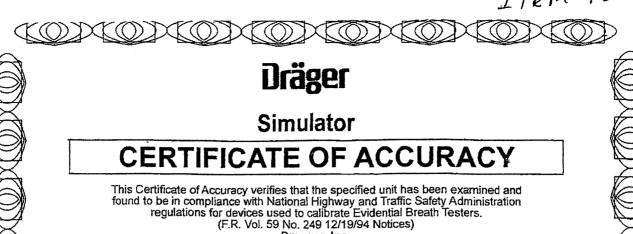
CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598 Phone 281 482-1714 Fax 281 482-9448 service@control3.com www.control3.com

Control Company is an ISO 17025:2005 Catibration Laboratory Accredited by (AZLA) American Association for Laboratory Accreditation, Certificate No. 1750.01,
Control Company is ISO 9001:2006 Quality Certified by (DNV) Dat Norske Veritas, Certificate No. CERT-01805-2006-AQ-HOV-RvA.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).









found to be in compliance with National Highway and Traffic Safety Administration regulations for devices used to calibrate Evidential Breath Testers.

(F.R. Vol. 59 No. 249 12/19/94 Notices)

Draeger, Inc.

Model: ALCOTEST CU34

Model: MARK IIA

Other:

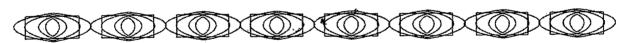
Serial Number:

Certification Date: 7-12-18

Technician:

Re-Certification Due Date: 7-12-19





Dräger

Alcotest 7110 Temperature Probe

CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 7110 Temperature Probe has been tested for accuracy with with instrumentation that is traceable to the National Institute of Standards and Technology (NIST). The manufacturer recommends accuracy verification of the Temperature Probe within 12 months of the certification date below, or sooner, according to your state's specifications. For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest 7110.

Serial Number Temp Probe:

Certification Date:

Next Certification Due:

DDW182-025

7-11-18

7-11-19

Probe Value:

102

Draeger, Inc. <u>35</u>



Serial No.: ARAJ-0075

Soln. No.: 00294

Alcotest 7110 Calibration Record

Equipment Alcotest 7110 MKIII-C

02535

02399

Location: TOMS RIVER P.D.

 Solution File No.:
 02522
 Soln. Date:
 12/14/2018

 Sequential File No.:
 02535
 File Date:
 12/27/2018

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWK S3-0386

Control Solution %: 0.100% Expires: 08/07/2019
Solution Control Lot: 17230 Bottle No.: 1129

Coordinator

Calibration File No .:

Linearity File No.:

Certification File No.: 02398

Last Name: NAPOLITANO First Name: DAVID MI: M.

*Black Key Temperature Probe Serial.....#<u>DDXK P2 - 396</u>

*Digital NIST Temperature Measuring System Serial.....# 170 297 886 60

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 I - Control Tests

Equipment	Alcotest 7110 MKIII-C			Serial No.: ARAJ-0075
Location:	TOMS RIVER P.D.			
Calibration File No.:	02535	Calib. Date	: 12/27/2018	Calib. No.: 00032
Certification File No.:	02536	Cert. Date:	12/27/2018	Cert. No.: 00023
Linearity File No.:	02399	Lin. Date:	07/18/2018	Lin. No.: 00022
Solution File No.:	02522	Soln. Date:	12/14/2018	Soln. No.: 00294
Sequential File No.:	02536	File Date:	12/27/2018	
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.: DDWK S3-0386
Control Solution %:	0.100%			Expires: 08/07/2019
Solution Control Lot:	17230			Bottle No.: 1129
Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:04S		
Control 1 EC	0.098%	09:04S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	09:04S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:05S		
Control 2 EC	0.097%	09:05S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	09:05S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:06S		
Control 3 EC	0.097%	09:07S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	09:07S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:08S		

All tests within acceptable tolerance

Coordinator

Last Name: NAPOLITANO

First Name: DAVID

MI: M.

Cianatura

TOPH

— aliantin terdenamiya . . .

and the second

Badge No.: 7

Date:

12/27/2018

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.:	ARAJ-0075
Calibration File No.:	02535		Calib. Date	: 12/27/2018	Calib. No.:	00032
Certification File No.:	02536		Cert. Date:	12/27/2018	Cert. No.:	00023
Linearity File No.:	02537		Lin. Date:	12/27/2018	Lin. No.:	00023
Solution File No.:	02522		Soln. Date:	12/14/2018	Soln. No.:	00294
Sequential File No.:	02537		File Date:	12/27/2018		
Calibrating Unit:	WET		Model No.:	CU-34	Serial No.:	DDWE S3-0206
Control Solution %:	0.040%				Expires:	08/10/2019
Solution Control Lot:	17240				Bottle No.:	0091
Calibrating Unit:	WET		Model No.:	CU-34	Serial No.:	DDWF S3-0218
Control Solution %:	0.080%				Expires:	08/15/2019
Solution Control Lot:	17250				Bottle No.:	0776
Calibrating Unit:	WET		Model No.:	CU-34	Serial No.:	DDWJ S3-0334
Control Solution %:	0.160%				Expires:	08/21/2019
Solution Control Lot:	17260				Bottle No.:	1150
Function		Result	Time	Temperature	Com	ment(s)
		%BAC	HH:MM	Simulator (°C)	or E	ror(s)
Ambient Air Blank		0.000%	09:18S			
Control 1 EC		0.041%	09:18S	34.0°C		PASSED ***
Control 1 IR		0.040%	09:18S	34.0°C	*** TEST]	PASSED ***
Ambient Air Blank		0.000%	09:20S			
Control 2 EC		0.041%	09:20S	34.0°C		PASSED ***
Control 2 IR		0.040%	09:20S	34.0°C	*** TEST]	PASSED ***
Ambient Air Blank		0.000%	09:22S			
Control 3 EC		0.080%	09:23S	33.9°C		PASSED ***
Control 3 IR		0.078%	09:23S	33.9°C	*** TEST	PASSED ***
Ambient Air Blank		0.000%	09:24S	22.006	district management	DA GGED duduk
Control 4 EC		0.081%	09:25S	33.9°C		PASSED ***
Control 4 IR		0.079%	09:25S	33.9°C	*** TEST	PASSED ***
Ambient Air Blank		0.000%	09:26S	22.000	ቀቀቀ መው <u>ር</u> መ ነ	D 4 CCED ***
Control 5 EC		0.160%	09:27S	33.9°C 33.9°C		PASSED ***
Control 5 IR Ambient Air Blank		0.159%	09:27S	33.9°C	*** IESI	PASSED ***
Ambient Alf Blank		0.000%	09:29S			
Control 6 FC		0.1580%	00.205	33 0°C	*** ጥፓርጥ	*** (1322 v d
Control 6 EC		0.158%	09:29S	33.9°C		PASSED ***
Control 6 EC Control 6 IR Ambient Air Blank		0.158% 0.159% 0.000%	09:29S 09:29S 09:31S	33.9°C 33.9°C		PASSED *** PASSED ***

All tests within acceptable tolerance.

Coordinator

Last Name: NAPOLITANO

First Name: DAVID

MI: M.

Signature: Ta II Del Martin 7237

Date:

Badge No.: 7237

12/27/2018

ITEM 14

SOLN 295

Calibrating Unit

New Standard Solution Report

Equipment Alcotest 7110 MKIII-C Serial No.: ARAJ-0075 Location: TOMS RIVER P.D. Calibration File No.: 02535 Calib. Date: 12/27/2018 Calib. No.: 00032 Certification File No.: 02536 Cert. Date: 12/27/2018 Cert. No.: 00023 Linearity File No.: 02537 Lin. Date: 12/27/2018 Lin. No.: 00023 02538 Solution File No.: Soln. Date: 12/27/2018 Soln. No.: 00295 Sequential File No.: 02538 File Date: 12/27/2018 Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWK S3-0386 Control Solution %: 0.100% Expires: 05/10/2020 Solution Control Lot: Bottle No.: 1429 18150 Function Result Time Temperature Comment(s) %BAC HH:MM Simulator (°C) or Error(s) Ambient Air Blank 0.000% 10:37S 34.0°C Control 1 EC 0.100% 10:38S *** TEST PASSED *** Control 1 IR 0.099% 34.0°C 10:38S *** TEST PASSED *** Ambient Air Blank 0.000% 10:39S Control 2 EC 0.097% 10:39S 34.0°C *** TEST PASSED *** Control 2 IR 0.099% 10:39S 34.0°C *** TEST PASSED *** Ambient Air Blank 0.000% 10:40S Control 3 EC 0.097% 10:41S 34.0°C *** TEST PASSED *** Control 3 IR 0.099% 34.0°C 10:41S *** TEST PASSED *** Ambient Air Blank 0.000% 10:41S

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	Pa-	025	(2M)
------------------------------------	------	-----	-----	------

Changed By:

Last Name: NAPOLITANO

First Name: DAVID

MI: M.

Tax De Al West

Badge No.: 7237 Date:

12/27/2018



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 0.10 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: 05/24/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18150

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1212 to 0.1239 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 10, 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 29th day of May, 2011

Notary

PETER F MUAPHY IV
My Commission Expires
August 1, 2019

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