

# Alcotest 7110 Calibration Record

## Equipment

Alcotest 7110 MKIII-C  
Location: EASTAMPTON TOWNSHIP  
Serial No.: ARNK-0038  
Calibration File No.: 00583  
Calib. Date: 12/19/2017  
Calib. No.: 00030  
Certification File No.: 00571  
Cert. Date: 07/28/2017  
Cert. No.: 00025  
Linearity File No.: 00572  
Lin. Date: 07/28/2017  
Lin. No.: 00025  
Solution File No.: 00581  
Soln. Date: 11/21/2017  
Soln. No.: 00189  
Sequential File No.: 00583  
File Date: 12/19/2017

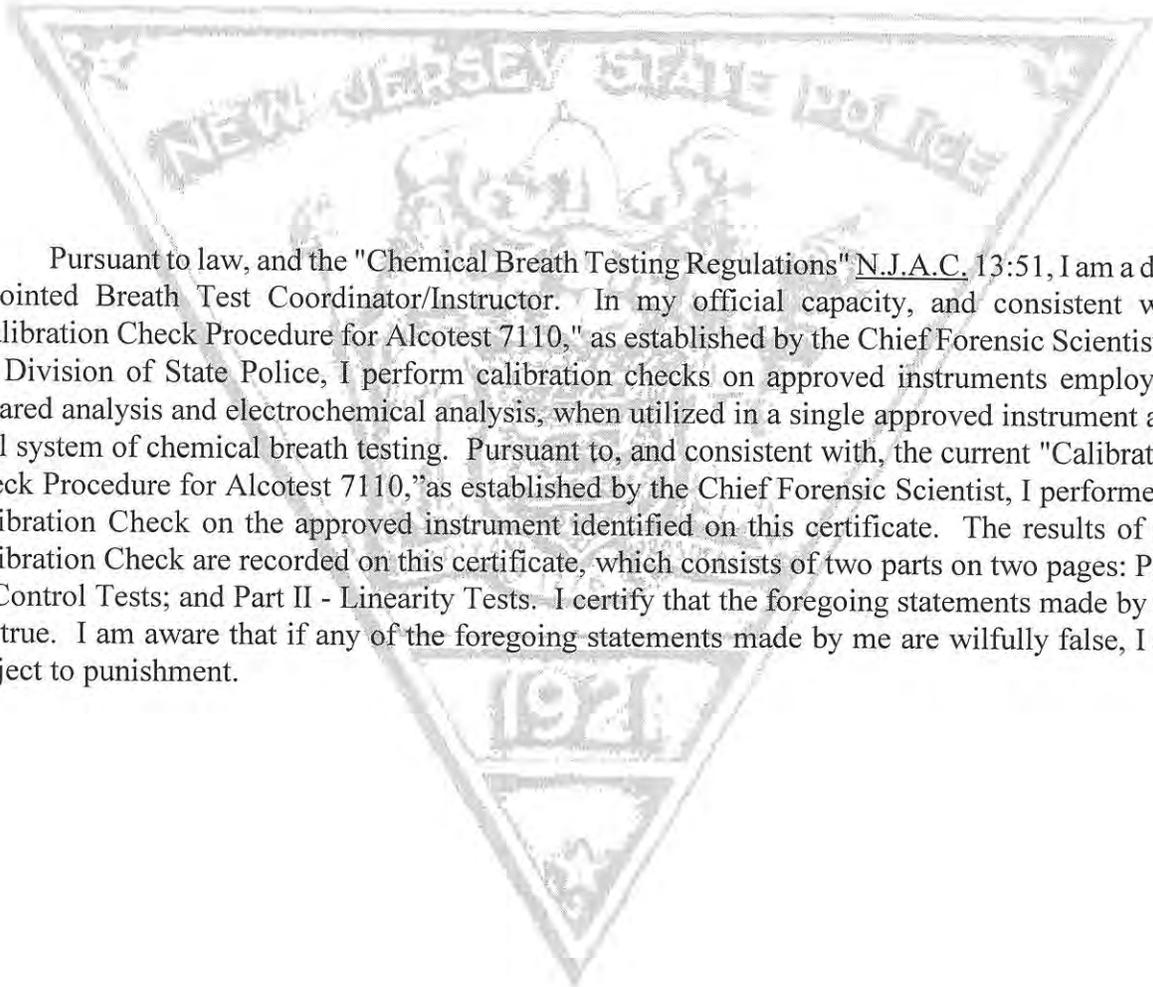
Calibrating Unit: WET  
Control Solution %: 0.100%  
Solution Control Lot: 16270  
Model No.: CU-34  
Serial No.: DDUK S3-0131  
Expires: 10/10/2018  
Bottle No.: 0522

## Coordinator

Last Name: GONCALVES  
First Name: MICHELLE  
MI: L

Signature: Sgt. Michelle Adams #6040  
Badge No.: 6040  
Date: 12/19/2017

\*Black Key Temperature Probe Serial.....# DDXK P2-398 (MA)  
\*Digital NIST Temperature Measuring System Serial.....# 170309355 (MA)



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.: ARNK-0038  
Location: EASTAMPTON TOWNSHIP  
Calibration File No.: 00583 Calib. Date: 12/19/2017 Calib. No.: 00030  
Certification File No.: 00584 Cert. Date: 12/19/2017 Cert. No.: 00026  
Linearity File No.: 00572 Lin. Date: 07/28/2017 Lin. No.: 00025  
Solution File No.: 00581 Soln. Date: 11/21/2017 Soln. No.: 00189  
Sequential File No.: 00584 File Date: 12/19/2017

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUK S3-0131  
Control Solution %: 0.100% Expires: 10/10/2018  
Solution Control Lot: 16270 Bottle No.: 0522

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	14:33S		
Control 1 EC	0.101%	14:33S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	14:33S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:34S		
Control 2 EC	0.100%	14:35S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	14:35S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:35S		
Control 3 EC	0.100%	14:36S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	14:36S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:37S		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: \_\_\_\_\_

*Sgt. Michelle Goncalves #6040*

Badge No.: 6040

Date: 12/19/2017

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

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARNK-0038
Location:	EASTAMPTON TOWNSHIP	
Calibration File No.:	00583	Calib. Date: 12/19/2017
Certification File No.:	00584	Calib. No.: 00030
Linearity File No.:	00585	Cert. Date: 12/19/2017
Solution File No.:	00581	Cert. No.: 00026
Sequential File No.:	00585	Lin. Date: 12/19/2017
		Lin. No.: 00026
		Soln. Date: 11/21/2017
		Soln. No.: 00189
		File Date: 12/19/2017
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.040%	Serial No.: DDRK S3-0012
Solution Control Lot:	16230	Expires: 09/19/2018
		Bottle No.: 0853
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.080%	Serial No.: DDRK S3-0015
Solution Control Lot:	16250	Expires: 09/27/2018
		Bottle No.: 0247
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.160%	Serial No.: DDRK S3-0025
Solution Control Lot:	16260	Expires: 10/03/2018
		Bottle No.: 0470

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	14:49S		
Control 1 EC	0.041%	14:49S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.040%	14:49S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:51S		
Control 2 EC	0.041%	14:51S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	14:51S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:53S		
Control 3 EC	0.080%	14:53S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.079%	14:53S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:55S		
Control 4 EC	0.080%	14:55S	33.9°C	*** TEST PASSED ***
Control 4 IR	0.080%	14:55S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:57S		
Control 5 EC	0.160%	14:57S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.159%	14:57S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:59S		
Control 6 EC	0.161%	14:59S	33.9°C	*** TEST PASSED ***
Control 6 IR	0.159%	14:59S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:01S		

All tests within acceptable tolerance.

**Coordinator**

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: \_\_\_\_\_

Sgt. Michelle Delo #6040

Badge No.: 6040

Date: 12/19/2017



**Dräger**

**Simulator**

**CERTIFICATE OF ACCURACY**

This Certificate of Accuracy verifies that the specified unit has been examined and 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)  
Dräger, Inc.

Model: ALCOTEST CU34

Model: MARK IIA

Other: \_\_\_\_\_

Serial Number:

DDUKS3-0131

Certification Date:

7-21-17

Technician:

72

Re-Certification Due Date:

7-21-18

**Dräger**

**Alcotest 7110 Temperature Probe**

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 Temperature Probe has been tested for accuracy 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:

DDUNP2-253

Certification Date:

7-12-17

Next Certification Due:

7-12-18

Probe Value:

105

Dräger, Inc.

72

**Dräger**

**Alcotest® 7110 MKIII-C**

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 MKIII-C has been tested for accuracy and found to be in compliance with the National Highway Traffic Safety Administration Standard for evidential breath testing devices. The Alcotest MKIII-C is compliant as a "mobile" and "nonmobile" EBT with 49 FR 48854, 49 FR 48864 and 58 FR 48705. The manufacturer recommends accuracy verification of this instrument within 12 months of the calibration date below, or sooner, according to your State Specifications.

Certification Date:

4-23-15

SERIAL NUMBER:

ARNK-0038

Draeger Safety Diagnostics, Inc.

BC



State of New Jersey

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

CHRIS CHRISTIE
Governor

CHRISTOPHER S. PORRINO
Attorney General

KIM GUADAGNO
Lt. Governor

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: 03/29/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17110

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1211 to 0.1231 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 March 20, 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.

[Handwritten signature of Ali M. Alaouie]

Ali M. Alaouie, Ph.D.
Research Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 30th day of March, 2017.

[Handwritten signature of Mary Elizabeth McLaughlin]

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



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Calibration  
Certificate No. 1750.01

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



Cert. No.: 4000-8497880

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: 170309355      Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	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: 4/26/17      Due Date: 4/26/19  
 Test Conditions: 24.3°C      62.0 %RH      1000 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	0.001	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.		50.001	50.001	Y	49.951	50.051	0.010	>4:1
°C		N.A.		100.003	99.999	Y	99.953	100.053	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 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 Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min = As Left Nominal(Rounded) - Tolerance; Max = As Left Nominal(Rounded) + Tolerance; Date=MM/DD/YY

*Nicol Rodriguez*  
Nicol Rodriguez, Quality Manager

*Aaron Judice*  
Aaron Judice, Technical Manager

Maintaining Accuracy:

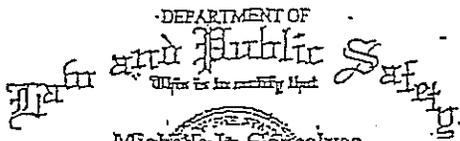
In our opinion once calibrated your Digital Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Thermometers change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-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 service@control3.com www.control3.com

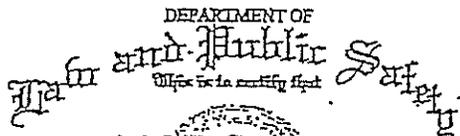
Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.  
 Control Company is ISO 9001:2008 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-2006-AQ-HOU-RvA.  
 International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



Michelle L. Gonçalves  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMISTRY ANALYSES PURSUANT TO CHAPTER 10 OF  
THE LAWS OF THE STATE OF NEW JERSEY IN ACCORDANCE WITH THE PROVISIONS OF  
A MEDICAL TO DETERMINE INTOXICATION OF THE BREATH TEST COORDINATOR/INSTRUCTOR  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, ON 15th day of December

TWO THOUSAND AND EIGHTEEN  
*[Signature]* SUPERINTENDENT NEW JERSEY STATE POLICE  
*[Signature]* ATTORNEY GENERAL STATE OF NEW JERSEY



Michelle L. Gonçalves  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMISTRY ANALYSES PURSUANT TO CHAPTER 10 OF  
THE LAWS OF THE STATE OF NEW JERSEY IN ACCORDANCE WITH THE PROVISIONS OF  
A MEDICAL TO DETERMINE INTOXICATION OF THE BREATH TEST COORDINATOR/INSTRUCTOR  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, ON 25th day of March

TWO THOUSAND AND TWELVE  
*[Signature]* SUPERINTENDENT NEW JERSEY STATE POLICE  
*[Signature]* ATTORNEY GENERAL STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 12-3-13	GCPA	Wm Lero
2. 9/17/15	GCEA	Adam Stanke
3. 3/8/17	LAKEHURST	Adam Stanke
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 293B (Rev. 03/10)

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 293B (Rev. 02/12)

**Dräger**

**Simulator**

**CERTIFICATE OF ACCURACY**

This Certificate of Accuracy verifies that the specified unit has been examined and 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)  
Dräger, Inc.

- Model: ALCOTEST CU34
- Model: MARK IIA
- Other: \_\_\_\_\_

Serial Number:  
DDRKS3-0012

Certification Date:  
9-26-17

Technician:  
BC

Re-Certification Due Date:  
9-26-18

**Dräger**

**Simulator**

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

- Model: ALCOTEST CU34
- Model: MARK IIA
- Other: \_\_\_\_\_

Serial Number:  
DDRKS3-0015

Certification Date:  
9-26-17

Technician:  
BC

Re-Certification Due Date:  
9-26-18

**Dräger**

**Simulator**

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

Model: ALCOTEST CU34

Model: MARK IIA

Other: \_\_\_\_\_

Serial Number:

DDRKS3-0025

Certification Date:

9-26-17

Technician:

BC

Re-Certification Due Date:

9-26-18

**Dräger**

**Alcotest 7110 Temperature Probe**

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 Temperature Probe has been tested for accuracy 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:

DDXKP2-398

Certification Date:

9-8-17

Next Certification Due:

9-8-18

Probe Value:

105

Dräger, Inc.

BC



State of New Jersey

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

CHRIS CHRISTIE
Governor

CHRISTOPHER S. PORRINO
Attorney General

KIM GUADAGNO
Lt. Governor

COLONEL JOSEPH R. PUENTES
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: 10/19/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16270

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1203 to 0.1220 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 10, 2018.

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.

[Handwritten signature]

Ali M. Alaoui, Ph.D.
Research Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 20 day of October, 2016.

[Handwritten signature]
Notary
JOHN R LEAVER
ID # 2207138
NOTARY PUBLIC
STATE OF NEW JERSEY
My Commission Expires Dec. 14, 2017



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State of New Jersey

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DEPARTMENT OF LAW AND PUBLIC SAFETY  
DIVISION OF STATE POLICE  
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WEST TRENTON, NJ 08628-0068  
(609) 882-2000

CHRISTOPHER S. PORRINO  
Attorney General

COLONEL JOSEPH R. FUENTES  
Superintendent

CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lt. Governor

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.

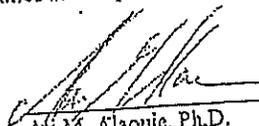
ANALYSIS DATE: 09/27/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16230

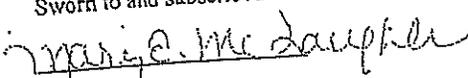
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0484 to 0.0492 grams per 100 milliliters of solution.

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 September 19, 2018.

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. Alaoui, Ph.D.,  
Research Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 28<sup>th</sup> day of September, 2016.

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



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State of New Jersey

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DEPARTMENT OF LAW AND PUBLIC SAFETY  
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(609) 882-2000

CHRISTOPHER S. PORRINO  
Attorney General

COLONEL JOSEPH R. FUENTES  
Superintendent

CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lt. Governor

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: 10/04/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0965 to 0.0975 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 September 27, 2018.

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. Alaoui, Ph.D.  
Research Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 5<sup>th</sup> day of October, 2016.

Notary

MARY ELIZABETH MCLAUGHLIN

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



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State of New Jersey

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Superintendent

CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lt. Governor

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: Dräger Safety, Inc.

ANALYSIS DATE: 10/13/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1928 to 0.1964 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 3, 2018.

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 17 day of October, 2016.

Notary   
JOHN R LEAVER  
ID # 2207138  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
My Commission Expires Dec. 14, 2017



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