

# Alcotest 7110 Calibration Record

## Equipment

Alcotest 7110 MKIII-C	Serial No.:	ARWF-0382
Location: WEST WINDSOR POLICE		
Calibration File No.: 01118	Calib. Date: 07/09/2014	Calib. No.: 00032
Certification File No.: 01075	Cert. Date: 02/06/2014	Cert. No.: 00019
Linearity File No.: 01076	Lin. Date: 02/06/2014	Lin. No.: 00019
Solution File No.: 01115	Soln. Date: 06/27/2014	Soln. No.: 00157
Sequential File No.: 01118	File Date: 07/09/2014	
Calibrating Unit: WET	Model No.: CU-34	Serial No.: DDWJ S3-0363
Control Solution %: 0.100%		Expires: 02/13/2015
Solution Control Lot: 13B110		Bottle No.: 0133

## Coordinator

Last Name: GONCALVES First Name: MICHELLE MI: L  
Signature: Sgt. Michelle Goncalves #6040 Badge No.: 6040  
Date: 07/09/2014

\*Black Key Temperature Probe Serial.....# DD4NP2-231 (MA)  
\*Digital NIST Temperature Measuring System Serial.....# 130602271 (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.: ARWF-0382  
Location: WEST WINDSOR POLICE  
Calibration File No.: 01118 Calib. Date: 07/09/2014 Calib. No.: 00032  
Certification File No.: 01119 Cert. Date: 07/09/2014 Cert. No.: 00020  
Linearity File No.: 01076 Lin. Date: 02/06/2014 Lin. No.: 00019  
Solution File No.: 01115 Soln. Date: 06/27/2014 Soln. No.: 00157  
Sequential File No.: 01119 File Date: 07/09/2014

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWJ S3-0363  
Control Solution %: 0.100% Expires: 02/13/2015  
Solution Control Lot: 13B110 Bottle No.: 0133

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:22D		
Control 1 EC	0.100%	09:22D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.100%	09:22D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:23D		
Control 2 EC	0.099%	09:23D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	09:23D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:24D		
Control 3 EC	0.098%	09:25D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	09:25D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:25D		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: 

Badge No.: 6040

Date: 07/09/2014

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** Alcotest 7110 MKIII-C Serial No.: ARWF-0382  
Location: WEST WINDSOR POLICE  
Calibration File No.: 01118 Calib. Date: 07/09/2014 Calib. No.: 00032  
Certification File No.: 01119 Cert. Date: 07/09/2014 Cert. No.: 00020  
Linearity File No.: 01120 Lin. Date: 07/09/2014 Lin. No.: 00020  
Solution File No.: 01115 Soln. Date: 06/27/2014 Soln. No.: 00157  
Sequential File No.: 01120 File Date: 07/09/2014

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDMK S3-0003  
Control Solution %: 0.040% Expires: 08/24/2014  
Solution Control Lot: 12H104 Bottle No.: 0600

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXD S3-0193  
Control Solution %: 0.080% Expires: 08/27/2014  
Solution Control Lot: 12H105 Bottle No.: 0761

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWF S3-0241  
Control Solution %: 0.160% Expires: 09/10/2014  
Solution Control Lot: 12I106 Bottle No.: 0356

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:40D		
Control 1 EC	0.041%	09:41D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.040%	09:41D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:42D		
Control 2 EC	0.041%	09:43D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	09:43D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:44D		
Control 3 EC	0.080%	09:45D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.079%	09:45D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:46D		
Control 4 EC	0.080%	09:47D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.078%	09:47D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:48D		
Control 5 EC	0.160%	09:49D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.159%	09:49D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:50D		
Control 6 EC	0.159%	09:51D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.160%	09:51D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:52D		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. M. Y. Silva #6040

Badge No.: 6040

Date: 07/09/2014

# Calibrating Unit

## New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARWF-0382
Location:	WEST WINDSOR POLICE	
Calibration File No.:	01118	Calib. Date: 07/09/2014
Certification File No.:	01119	Calib. No.: 00032
Linearity File No.:	01120	Cert. Date: 07/09/2014
Solution File No.:	01121	Cert. No.: 00020
Sequential File No.:	01121	Lin. Date: 07/09/2014
		Lin. No.: 00020
		Soln. Date: 07/09/2014
		Soln. No.: 00158
		File Date: 07/09/2014
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDWJ S3-0363
Solution Control Lot:	13G115	Expires: 07/18/2015
		Bottle No.: 0996

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:05D		
Control 1 EC	0.101%	11:05D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	11:05D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:06D		
Control 2 EC	0.100%	11:07D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	11:07D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:07D		
Control 3 EC	0.100%	11:08D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.101%	11:08D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:09D		

All tests within acceptable tolerance.

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

Temperature Probe Serial Number: DDWAP2-216 MA

**Changed By:**

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt Michelle Goncalves # 6040

Badge No.: 6040

Date: 07/09/2014

**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 48864, 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:

SERIAL NUMBER:

10-17-11

ARWF-0382

**Dräger Safety Diagnostics, Inc.**

\_\_\_\_\_ 25





**Dräger**

# 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)

**Draeger Safety Diagnostics, Inc.**

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

Serial Number:

DDW 53-0363

Certification Date

6-11-14

Technician

BC

Re-Certification Due Date

6-11-15

# 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 Specification. For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest® 7110.

Serial Number Temp. Probe

DDWA P2-216

Certification date:

6-11-14

Next Certification due:

6-11-15

Probe Value

103

**Draeger Safety Diagnostics, Inc.**  
Technical Service Department

BC



# CERTIFICATE

This is to certify that

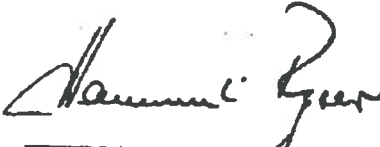
**Michelle Goncalves**

has successfully completed the two day Draeger Safety Diagnostics, Inc. Alcohol Coordinator Training Course on the New Jersey specific Alcotest® 7110 MKIII-C and is hereby certified as a qualified

**Operator Trainer and  
Maintenance Technician**

Completion of this course qualifies this individual to train and certify Operators in the proper use and operation as well as perform Preventive Maintenance on the New Jersey specific Alcotest® 7110 MKIII-C.

Date: March 14, 2012

  
\_\_\_\_\_  
Instructor: Hansueli Ryser

**Dräger**



Calibration  
Certificate No. 1750.01

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



Cert. No.: 4000-5427014

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: 130602271      Manufacturer: Control Company

**Standards/Equipment:**

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-179	A45240		
Thermistor Module	A17118	2/13/14	1000332071
Temperature Probe	128	2/20/14	6-B48Z9-30-1
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A17118	2/13/14	1000332071
Temperature Probe	3039	2/20/14	6-B48Z9-1-1
Temperature Calibration Bath TC-218	A73332		
Thermistor Module	A27129	11/09/13	1000327261
Temperature Probe	5202	11/30/14	15-B15PW-1-1
Temperature Calibration Bath TC-275	B16388		
Digital Thermometer	B16815	8/12/14	1000341967
PRT Temperature Probe	02022	8/14/15	B3812004

**Certificate Information:**

Technician: 68      Procedure: CAL-06      Cal Date: 10/08/13      Cal Due: 10/08/15  
Test Conditions: 24.0°C      37.0 %RH      1017 mBar

**Calibration Data: (New Instrument)**

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
°C		N.A.		-0.001	0.000	Y	-0.051	0.049	0.013	3.8:1
°C		N.A.		25.001	25.000	Y	24.951	25.051	0.023	2.2:1
°C		N.A.		50.003	50.001	Y	49.953	50.053	0.014	3.6:1
°C		N.A.		100.001	99.994	Y	99.951	100.051	0.018	2.8:1

**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 4455 Rex Road Friendswood, TX 77546 USA  
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-01805-2008-AQ-HOU-RvA.  
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



DEPARTMENT OF  
**Traffic and Public Safety**  
What is to certify that

**Michelle L. Goncalves**  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT COURSE IN THE MATTER OF REFRESHER TO CHAPTER 14 OF  
THE LAWS OF 1994 BY THE OPERATION OF THE **Alcohol 7110 MKII-C**  
A METHOD TO DETERMINE INTOXICATION  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY ON 15th DAY OF December

TWO THOUSAND AND ELEVEN

  
S. P. 2838B  
NEW JERSEY STATE POLICE

  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 12-3-13	GC PA	wm lura
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 2838 (Rev. 03/10)

DEPARTMENT OF  
**Traffic and Public Safety**  
What is to certify that

**Michelle Goncalves**  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT COURSE IN THE MATTER OF REFRESHER TO CHAPTER 14 OF  
THE LAWS OF 1994 BY THE OPERATION OF THE **Breath Test Coordinator/Instructor**  
A METHOD TO DETERMINE INTOXICATION  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY ON 13rd DAY OF March

TWO THOUSAND AND Twelve

  
S. P. 2838B  
NEW JERSEY STATE POLICE

  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

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

S.P. 2838 (Rev. 03/10)



CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lieutenant Governor

*State of New Jersey*  
OFFICE OF THE ATTORNEY GENERAL  
DEPARTMENT OF LAW AND PUBLIC SAFETY  
DIVISION OF CRIMINAL JUSTICE  
PO BOX 085  
TRENTON, NJ 08625-0085  
TELEPHONE: (609) 984-6500

JEFFREY S. CHIESA  
Attorney General

STEPHEN J. TAYLOR  
Director

March 23, 2012

Col. Joseph R. Fuentes, Superintendent  
Division of State Police  
Division Headquarters  
P.O. Box 7068  
West Trenton, New Jersey 08628

Re: Breath Test Coordinator/Instructor, Certification -  
Detective I Michelle L. Goncalves #6040

Dear Col. Fuentes:

Pursuant to the provisions of *N.J.A.C.* 13:51-2.1 (b) and (c), as adopted and promulgated under the provisions of *N.J.S.A.* 39:4-50.3, 39:3-10.25 and 12:7-56, I hereby approve Detective I Michelle L. Goncalves #6040, as a duly certified Breath Test Coordinator/Instructor. This approval is effective immediately.

Very truly yours,

Jeffrey S. Chiesa  
Attorney General

- c. Detective I Michelle L. Goncalves, Alcohol/Drug Test Unit, Division of State Police  
DSFC Patrick Guilfooy, Unit Head, Alcohol/Drug Test Unit, Division of State Police





**Dräger**

# 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 Safety Diagnostics, Inc.**

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

Serial Number:

DDWF53-0241

Certification Date

1-24-14

Technician

BC

Re-Certification Due Date

1-24-15

# 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 Specification.

For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest® 7110.

Serial Number Temp. Probe

DDUN P2-231

Certification date:

1-21-14

Next Certification due:

1-21-15

Probe Value

106

**Dräger Safety Diagnostics, Inc.**  
Technical Service Department

BC



**Dräger**

# 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 Safety Diagnostics, Inc.**

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

Serial Number:

DDXD S3-0193

Certification Date

1-22-14

Technician

BC

Re-Certification Due Date

1-22-15



**Dräger**

# 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 Safety Diagnostics, Inc.**

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

Serial Number:

DDMK S3-0003

Certification Date

1-23-14

Technician

BC

Re-Certification Due Date

1-23-15



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

KIM GUADAGNO  
Lt. Governor

JOHN J. HOFFMAN  
Acting 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: 7/29/2013

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 13G115

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1213 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 July 18, 2015.

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 7<sup>th</sup> day of August, 2013.

Linda L. Desantis  
Notary



"An Internationally Accredited Agency"

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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*  
 KIM GUADAGNO  
*Lt. Governor*

JOHN J. HOFFMAN  
*Acting 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:** 9/11/2014

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 14H132

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 0.1220 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 August 22, 2016.

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 15<sup>th</sup> day of September, 2014.

Linda L. Desantis  
 Notary

**LINDA L DESANTIS**  
 ID # 2228599  
 NOTARY PUBLIC  
 STATE OF NEW JERSEY  
 My Commission Expires August 17, 2019



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
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**State of New Jersey**  
 OFFICE OF THE ATTORNEY GENERAL  
 DEPARTMENT OF LAW AND PUBLIC SAFETY  
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 POST OFFICE BOX 7068  
 WEST TRENTON, NJ 08628-0068  
 (609) 882-2000

CHRIS CHRISTIE  
 Governor

JEFFREY S. CHIESA  
 Attorney General

KIM GUADAGNO  
 Lt. Governor

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: 9/26/2012

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 12H104

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0487 to 0.0491 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 24, 2014.

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 5<sup>th</sup> day of October, 2012.

Joseph R. Fuentes  
 Notary



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Lt. Governor

JEFFREY S. CHIESA  
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:** 9/27/2012

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 12H105

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0967 to 0.0976 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 27, 2014.

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 5<sup>th</sup> day of October, 2012.

Notary

Linda L. Desantis  
Notary Public, New Jersey  
My Commission Expires 8-17-14



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**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:** 10/2/2012

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 121106

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1922 to 0.1932 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 10, 2014.

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, 2012.

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**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:** Dräger Safety, Inc.

**ANALYSIS DATE:** 3/6/2013

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 13B110

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1234 to 0.1241 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 13, 2015.

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 7<sup>th</sup> day of March, 2013.

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