

# Alcotest 7110 Calibration Record

## Equipment

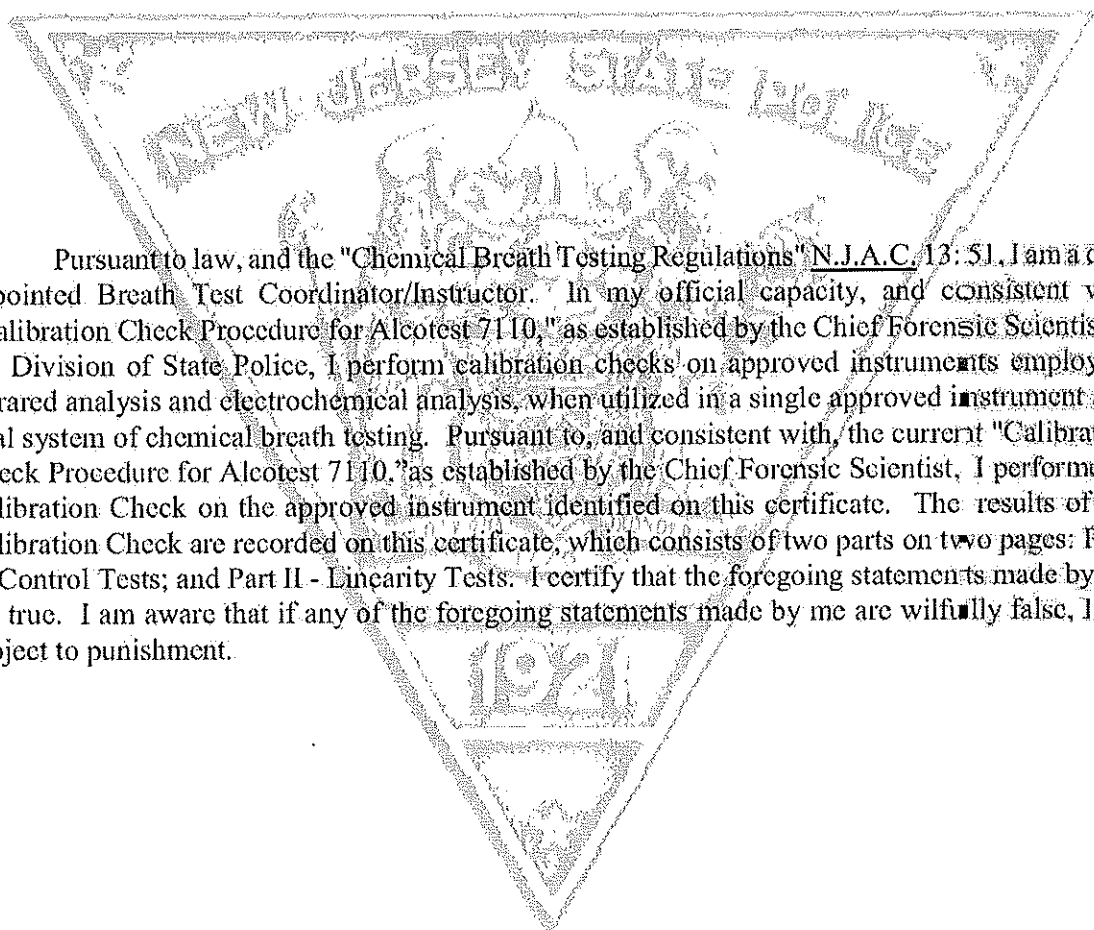
Alcotest 7110 MKIII-C	Serial No.:	ARXA-0069
Location: MARLBORO TWP. POLICE		
Calibration File No.: 00767	Calib. Date: 12/06/2018	Calib. No.: 00039
Certification File No.: 00740	Cert. Date: 07/02/2018	Cert. No.: 00029
Linearity File No.: 00741	Lin. Date: 07/02/2018	Lin. No.: 00033
Solution File No.: 00765	Soln. Date: 11/20/2018	Soln. No.: 00189
Sequential File No.: 00767	File Date: 12/06/2018	
Calibrating Unit: WET	Model No.: CU-34	Serial No.: DDXC S3-0162
Control Solution %: 0.100%		Expires: 08/07/2019
Solution Control Lot: 17230		Bottle No.: 0189

## Coordinator

Last Name: MIMIKOS	First Name: NICHOLAS	MI: E.
Signature: <u>TPR. N. A. #7413</u>	Badge No.: 7413	Date: 12/06/2018

\*Black Key Temperature Probe Serial.....# DDEE P2-099 A

\*Digital NIST Temperature Measuring System Serial.....# 170428357 A



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.: ARXA-0069  
Location: MARLBORO TWP. POLICE  
Calibration File No.: 00767 Calib. Date: 12/06/2018 Calib. No.: 00039  
Certification File No.: 00768 Cert. Date: 12/06/2018 Cert. No.: 00030  
Linearity File No.: 00741 Lin. Date: 07/02/2018 Lin. No.: 00033  
Solution File No.: 00765 Soln. Date: 11/20/2018 Soln. No.: 00189  
Sequential File No.: 00768 File Date: 12/06/2018

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXC S3-0162  
Control Solution %: 0.100% Expires: 08/07/2019  
Solution Control Lot: 17230 Bottle No.: 0189

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:03S		
Control 1 EC	0.099%	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	0.098%	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	0.098%	09:07S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:08S		

All tests within acceptable tolerance.

### Coordinator

Last Name: MIMIKOS

First Name: NICHOLAS

MI: E.

Signature: TPR. [Signature]

Badge No.: 7413

Date: 12/06/2018

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** Alcotest 7110 MKIII-C Serial No.: ARXA-0069  
Location: MARLBORO TWP. POLICE  
Calibration File No.: 00767 Calib. Date: 12/06/2018 Calib. No.: 00039  
Certification File No.: 00768 Cert. Date: 12/06/2018 Cert. No.: 00030  
Linearity File No.: 00769 Lin. Date: 12/06/2018 Lin. No.: 00034  
Solution File No.: 00765 Soln. Date: 11/20/2018 Soln. No.: 00189  
Sequential File No.: 00769 File Date: 12/06/2018

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0021  
Control Solution %: 0.040% Expires: 08/10/2019  
Solution Control Lot: 17240 Bottle No.: 0345

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0022  
Control Solution %: 0.080% Expires: 08/15/2019  
Solution Control Lot: 17250 Bottle No.: 0825

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDSC S3-0013  
Control Solution %: 0.160% Expires: 08/21/2019  
Solution Control Lot: 17260 Bottle No.: 0354

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	09:21S		
Control 1 EC	0.041%	09:22S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.039%	09:22S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:23S		
Control 2 EC	0.041%	09:24S	33.9°C	*** TEST PASSED ***
Control 2 IR	0.039%	09:24S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:25S		
Control 3 EC	0.083%	09:26S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.080%	09:26S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:27S		
Control 4 EC	0.080%	09:28S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	09:28S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:29S		
Control 5 EC	0.162%	09:30S	33.9°C	*** TEST PASSED ***
Control 5 IR	0.161%	09:30S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:32S		
Control 6 EC	0.161%	09:32S	33.9°C	*** TEST PASSED ***
Control 6 IR	0.159%	09:32S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:34S		

All tests within acceptable tolerance.

### Coordinator

Last Name: MIMIKOS

First Name: NICHOLAS

MI: E.

Signature: TPR. [Signature] #17413

Badge No.: 7413

Date: 12/06/2018

# Calibrating Unit

## New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARXA-0069
Location:	MARLBORO TWP. POLICE	
Calibration File No.:	00767	Calib. Date: 12/06/2018
Certification File No.:	00768	Calib. No.: 00039
Linearity File No.:	00769	Cert. Date: 12/06/2018
Solution File No.:	00770	Cert. No.: 00030
Sequential File No.:	00770	Lin. Date: 12/06/2018
		Lin. No.: 00034
		Soln. Date: 12/06/2018
		Soln. No.: 00190
		File Date: 12/06/2018
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDXC S3-0162
Solution Control Lot:	17290	Expires: 09/14/2019
		Bottle No.: 0635

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	10:40S		
Control 1 EC	0.100%	10:41S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	10:41S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:42S		
Control 2 EC	0.098%	10:42S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	10:42S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:43S		
Control 3 EC	0.098%	10:44S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.098%	10:44S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:44S		

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: DDUJ P2-066 A

**Changed By:**

Last Name: MIMIKOS

First Name: NICHOLAS

MI: E.

Signature: TPR. [Signature] #7413

Badge No.: 7413

Date: 12/06/2018

**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:

9-21-15

SERIAL NUMBER:

ARXA-0069

Draeger Safety Diagnostics, Inc.

RC



Calibration  
Certificate No. 1750.01

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



Cert. No.: 4000-8609157

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: 170428357      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: 6/08/17      Due Date: 6/08/19  
Test Conditions: 23.5°C      50.0 %RH      1014 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.		25.003	25.002	Y	24.953	25.053	0.010	>4:1
°C		N.A.		50.002	50.000	Y	49.952	50.052	0.010	>4:1
°C		N.A.		100.001	100.000	Y	99.951	100.051	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-01805-2008-AQ-HOU-RvA.  
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

**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)  
Draeger, Inc.

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

Serial Number:  
DDRK 53-0021

Certification Date:  
8-23-18

Technician:  
BS

Re-Certification Due Date:  
8-23-19

**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)  
Draeger, Inc.

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

Serial Number:  
DDRKS3-0022

Certification Date:  
8-23-18

Technician:  
BS

Re-Certification Due Date:  
8-23-19

**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:

DD5C53-0013

Certification Date:

8-23-18

Technician:

BS

Re-Certification Due Date:

8-23-19

**Dräger**

**Alcotest 7110 Temperature Probe**

**CERTIFICATE OF ACCURACY**

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

DDEEP2-099

Certification Date:

8-23-18

Next Certification Due:

8-23-19

Probe Value:

103

Dräger, Inc.

BS



**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)  
Draeger, Inc.

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

Serial Number:  
DDXC53-0162

Certification Date:  
10-31-18

Technician:  
BS

Re-Certification Due Date:  
10-31-19

**Dräger**

**Alcotest 7110 Temperature Probe**

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 Temperature Probe has been tested for accuracy with 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: DDUSP2-066      Certification Date: 10-31-18      Next Certification Due: 10-31-19

Probe Value:  
100

Draeger, Inc. BS



State of New Jersey

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Attorney General

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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 0.1202 to 0.1216 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 07, 2019.

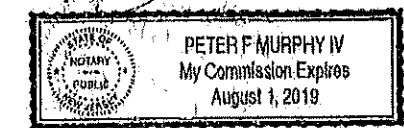
As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. 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. Alaoui]

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

Sworn to and subscribed before me this 24 day of August, 2017.

[Handwritten signature of Notary]



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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 0.0483 to 0.0489 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is 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.

[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 August, 2017.

[Handwritten signature of Mary E. McLaughlin]

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



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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 0.0963 to 0.0973 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 15, 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.

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

Sworn to and subscribed before me this 11 day of September, 2017.

[Signature]
Notary

PETER F. MURPHY IV
My Commission Expires
August 1, 2019



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Attorney General

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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 August 21, 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]

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

Sworn to and subscribed before me this 13 day of September, 2017.

[Handwritten signature]
Notary

PETER F. MURPHY IV
My Commission Expires
August 1, 2019



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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: 09/21/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17290

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1199 to 0.1220 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 September 14, 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 22nd day of September, 2017.

[Handwritten signature of Notary]

Notary Public
PETER F MURPHY IV
My Commission Expires
August 1, 2019



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DEPARTMENT OF  
**Motor and Public Safety**  
 This is to certify that

**NICHOLAS E. MIMIKOS**  
 NEW JERSEY STATE POLICE

IS QUALIFIED AND COMPETENT TO CONDUCT CERTAIN OPERATIONS AND TESTS PURSUANT TO CHAPTER 143 OF  
 THE LAWS OF 1986 IN THE OPERATION OF THE MOTOR VEHICLE TEST 7110 MKIII-C  
 A MICROSD TO DETERMINE INOPERATION  
 GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, 23rd DAY OF OCTOBER

TWO THOUSAND AND FOURTEEN

*[Signature]*  
 SUPERINTENDENT  
 NEW JERSEY STATE POLICE

*[Signature]*  
 ACTING ATTORNEY GENERAL  
 STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 6-3-16	BERLEN C.P.A.	<i>[Signature]</i>
2. 1-19-18	BERLEN C.P.A.	<i>[Signature]</i>
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 2333 (Rev. 08/13)

DEPARTMENT OF  
*Motor and Public Safety*  
 This is to certify that

Nicholas E. Mimikos

Breath Test Coordinator/Instructor

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 141 OF

THE LAWS OF 1986 IN THE OPERATION OF THE Alcotest 7110 MKIII-C  
 A METHOD TO DETERMINE INTOXICATION  
 GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 9th DAY OF October

TWO THOUSAND AND Eighteen

  
 COUNCIL  
 NEW JERSEY STATE POLICE

  
 ATTORNEY GENERAL  
 STATE OF NEW JERSEY

ORIGINAL COURSE DATES

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

S.P. 283B (Rev. 01/18)