

# ALCOTEST CHECKLIST

Municipality: MERCHANTVILLE Alcotest Ser. #: ARUM-0073

County: BURLINGTON Date of Calibration: 05-31-2018

- 1. **Certificate of Accuracy Alcotest 7110 MKIII-C** from Draeger Safety for instrument used in the A.I.R.
- 2. **Certificate of Accuracy CU34 Unit** on Alcotest Instrument used.  
Ser. #: DDWA 53-0011
- 3. **Certificate of Accuracy Alcotest 7110 Temperature Probe** from Draeger Safety for instrument in A.I.R. or equivalent.  
Ser. #: DDUJ P2-168
- 4. **Digital Temperature Measuring System Report of Calibration.**  
Ser. #: 170 428 362
- 5.
  - A. Alcotest 7110 Calibration Record
  - B. Alcotest 7110 Calibration Certificate **Part I - Control Tests.**
  - C. Alcotest 7110 Calibration Certificate **Part II - Linearity Tests.**
  - D. **Alcotest Card** of operator/coordinator who performed tests.
  - E. **Certificate of Accuracy Alcotest 7110 Temperature Probe** from Draeger Safety used in the Calibration Tests ["Black Key" probe of Breath Test Coordinator].  
Ser. #: DDXK P2-390

- 6. **Certificates of Analysis** for each **Simulator Solution** used in Calibration/Linearity Tests:
  - A. 0.04% Solution. 17240
  - B. 0.08% Solution. 17250
  - C. 0.10% Solution. 16270
  - D. 0.16% Solution. 17260

- 7. Certificate of Accuracy Alcotest CU34 Simulators from Draeger Safety (when conducting the Calibration/Linearity Tests) for:
  - A. 0.04% used in Calibration/Linearity Testing. DDCB-0001
  - B. 0.08% used in Calibration/Linearity Testing. DDCB-0002
  - C. 0.10% used in Calibration/Linearity Testing.  
[Same as CU34 unit on instrument.]
  - D. 0.16% used in Calibration/Linearity Testing. DDBN-0007

- 8.
  - A. New Standard Solution Report following Calibration.
  - B. Calibrating CU34 Unit for same [same as CU34 unit on instrument].
  - C. Certificate of Analysis 0.10% solution for same.  
Lot #: \_\_\_\_\_
  - D. Alcotest card of operator/coordinator who completed change.

07-24-2018



**Dräger**

**Alcotest 7110**

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 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's specifications.

Certification Date:

Serial Number:

5-9-18

ARUM-0073

Draeger, Inc.

BC

# 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:  
DDWA S3-0011

Certification Date: 3-12-2018 Technician: SP Re-Certification Due Date: 3-12-2019

# 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: DDU SP2-168 Certification Date: 3-8-18 Next Certification Due: 3-8-19

Probe Value: 99  
Draeger, Inc. BC



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



Cert. No.: 4000-8609162

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: 170428362      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	25.001	Y	24.953	25.053	0.010	>4:1
°C		N.A.		50.002	50.001	Y	49.952	50.052	0.010	>4:1
°C		N.A.		100.001	99.999	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-01805-2006-AQ-HOU-RVA.  
 International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

# Alcotest 7110 Calibration Record

## Equipment

Alcotest 7110 MKIII-C  
Location: MERCHANTVILLE POLICE  
Serial No.: ARUM-0073  
Calibration File No.: 00911  
Calib. Date: 05/31/2018  
Calib. No.: 00036  
Certification File No.: 00895  
Cert. Date: 12/07/2017  
Cert. No.: 00028  
Linearity File No.: 00896  
Lin. Date: 12/07/2017  
Lin. No.: 00028  
Solution File No.: 00910  
Soln. Date: 05/09/2018  
Soln. No.: 00235  
Sequential File No.: 00911  
File Date: 05/31/2018

Calibrating Unit: WET  
Model No.: CU-34  
Serial No.: DDWA S3-0011  
Control Solution %: 0.100%  
Expires: 10/10/2018  
Solution Control Lot: 16270  
Bottle No.: 0889

## Coordinator

Last Name: WATSON

First Name: MATTHEW

MI: R

Signature: Tpr. I *Matthew A. Watson*

#7078

Badge No.: 7078

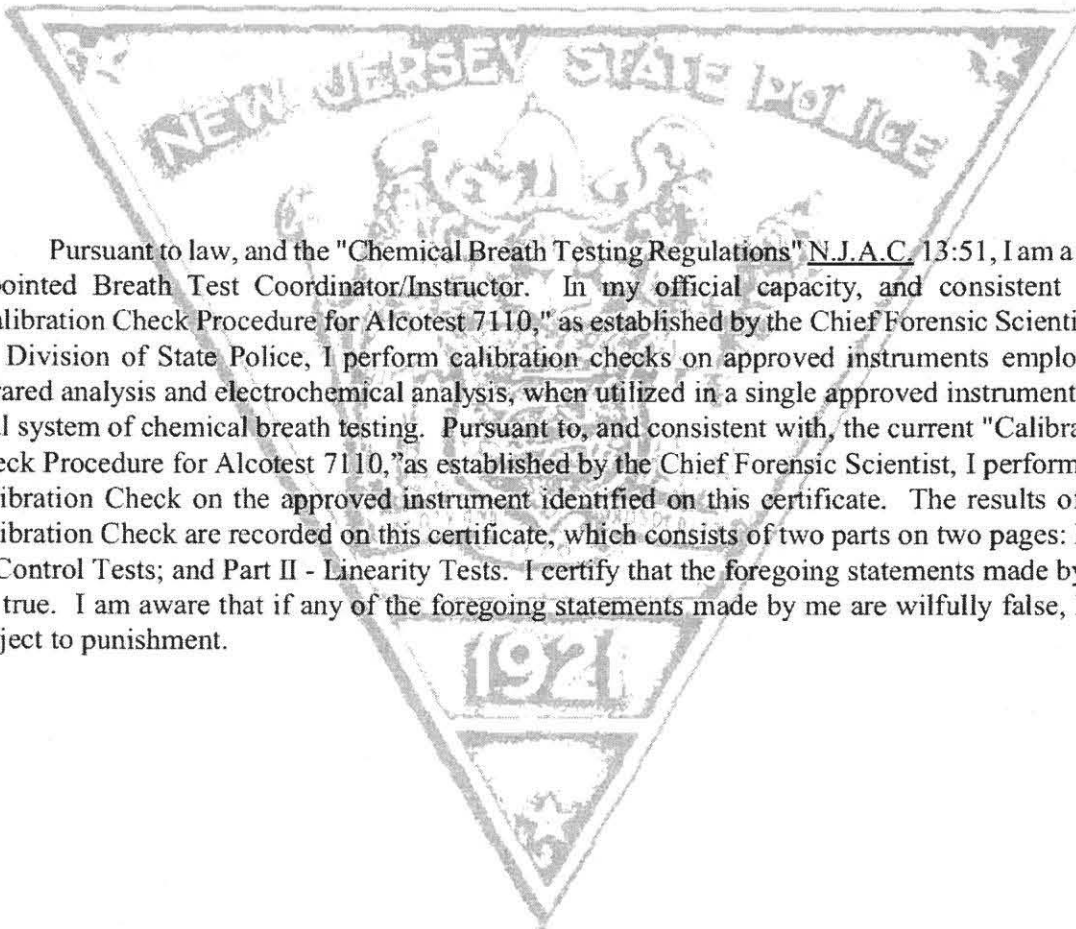
Date: 05/31/2018

\*Black Key Temperature Probe Serial.....#

DDXKP2-39A **MRW**

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

170428362 **MRW**



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.: ARUM-0073  
Location: MERCHANTVILLE POLICE  
Calibration File No.: 00911 Calib. Date: 05/31/2018 Calib. No.: 00036  
Certification File No.: 00912 Cert. Date: 05/31/2018 Cert. No.: 00029  
Linearity File No.: 00896 Lin. Date: 12/07/2017 Lin. No.: 00028  
Solution File No.: 00910 Soln. Date: 05/09/2018 Soln. No.: 00235  
Sequential File No.: 00912 File Date: 05/31/2018

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWA S3-0011  
Control Solution %: 0.100% Expires: 10/10/2018  
Solution Control Lot: 16270 Bottle No.: 0889

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	13:23D		
Control 1 EC	0.100%	13:24D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	13:24D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:24D		
Control 2 EC	0.100%	13:25D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.099%	13:25D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:25D		
Control 3 EC	0.099%	13:26D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	13:26D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:26D		

All tests within acceptable tolerance.

### Coordinator

Last Name: WATSON

First Name: MATTHEW

MI: R

Signature: Tpr. I *Matthew A. Watson* #7078

Badge No.: 7078

Date: 05/31/2018

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.: ARUM-0073  
Location: MERCHANTVILLE POLICE  
Calibration File No.: 00911 Calib. Date: 05/31/2018 Calib. No.: 00036  
Certification File No.: 00912 Cert. Date: 05/31/2018 Cert. No.: 00029  
Linearity File No.: 00913 Lin. Date: 05/31/2018 Lin. No.: 00029  
Solution File No.: 00910 Soln. Date: 05/09/2018 Soln. No.: 00235  
Sequential File No.: 00913 File Date: 05/31/2018

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDCB-0001  
Control Solution %: 0.040% Expires: 08/10/2019  
Solution Control Lot: 17240 Bottle No.: 0687

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDCB-0002  
Control Solution %: 0.080% Expires: 08/15/2019  
Solution Control Lot: 17250 Bottle No.: 0792

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDBN-0007  
Control Solution %: 0.160% Expires: 08/21/2019  
Solution Control Lot: 17260 Bottle No.: 1050

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	13:46D		
Control 1 EC	0.039%	13:46D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.038%	13:46D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:48D		
Control 2 EC	0.039%	13:48D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.038%	13:48D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:50D		
Control 3 EC	0.079%	13:50D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	13:50D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:52D		
Control 4 EC	0.078%	13:52D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	13:52D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:54D		
Control 5 EC	0.158%	13:54D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.160%	13:54D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:56D		
Control 6 EC	0.158%	13:57D	33.9°C	*** TEST PASSED ***
Control 6 IR	0.161%	13:57D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:58D		

All tests within acceptable tolerance.

### Coordinator

Last Name: WATSON

First Name: MATTHEW

MI: R

Signature:  #2078

Badge No.: 7078

Date: 05/31/2018

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

**Matthew R. Watson**  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF THE LAWS OF 1966 IN THE OPERATION OF THE **Alcotest 7110 MKIII-C** A METHOD TO DETERMINE INTOXICATION GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 19th DAY OF August

TWO THOUSAND AND 19th

*[Signature]*  
SUPERINTENDENT  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 11-8-12	GCPA	Lynn Loran
2. 7/14/15	CMPA	Adam Sanders
3. 3/23/17	Lakehurst	Michelle Smedley
4.		
5.		
6.		
7.		
8.		
9.		

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

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

**Matthew R. Watson**  
Breath Test Coordinator/Instructor

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF THE LAWS OF 1966 IN THE OPERATION OF THE **Alcotest 7110 MKIII-C** A METHOD TO DETERMINE INTOXICATION GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 8th DAY OF June

TWO THOUSAND AND Sixteen

*[Signature]*  
SUPERINTENDENT  
NEW JERSEY STATE POLICE

*[Signature]*  
ACTING 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. 293B (Rev. 08/13)





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
0.04 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 Elizabeth McLaughlin]

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



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CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

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 0.0963 to 0.0973 grams per 100 milliliters of solution.

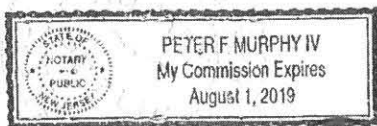
This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration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



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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: 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.

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

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

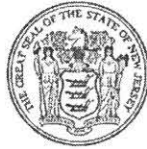
[Signature]
Notary
JOHN R LEAVER
ID # 2207138
NOTARY PUBLIC
STATE OF NEW JERSEY
My Commission Expires Dec. 14, 2017



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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 August 21, 2019.

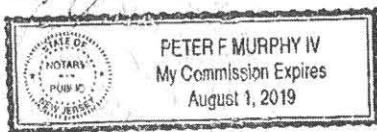
As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment.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

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

[Handwritten signature]
Notary



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**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:  
DDCB-0001

Certification Date:  
9-27-17

Technician:  
BC

Re-Certification Due Date:  
9-27-18

**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:  
DDCB-0002

Certification Date:  
9-26-17

Technician:  
BC

Re-Certification Due Date:  
9-26-18

**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:

DDBN-0007

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:

DDXKPa-390

Certification Date:

9-22-17

Next Certification Due:

9-22-18

Probe Value:

104

Dräger, Inc.

BC

# Calibrating Unit

## New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARUM-0073
Location:	MERCHANTVILLE POLICE	
Calibration File No.:	00911	Calib. Date: 05/31/2018
Certification File No.:	00912	Calib. No.: 00036
Linearity File No.:	00913	Cert. Date: 05/31/2018
Solution File No.:	00914	Cert. No.: 00029
Sequential File No.:	00914	Lin. Date: 05/31/2018
		Lin. No.: 00029
		Soln. Date: 05/31/2018
		Soln. No.: 00236
		File Date: 05/31/2018
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDWA S3-0011
Solution Control Lot:	16330	Expires: 10/28/2018
		Bottle No.: 0940

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	15:08D		
Control 1 EC	0.100%	15:09D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	15:09D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:09D		
Control 2 EC	0.100%	15:10D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	15:10D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:10D		
Control 3 EC	0.100%	15:11D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	15:11D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:12D		

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: DDUJP2-168 MRW

**Changed By:**

Last Name: WATSON

First Name: MATTHEW

MI: R

Signature: *Tpr. I Matthew A. Watson #7078*

Badge No.: 7078

Date: 05/31/2018



# State of New Jersey

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DEPARTMENT OF LAW AND PUBLIC SAFETY  
DIVISION OF STATE POLICE  
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*Governor*

KIM GUADAGNO  
*Lt. Governor*

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:** 11/16/2016

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 16330

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 0.1207 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 28, 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<sup>th</sup> day of November, 2016.

Notary

**MARY ELIZABETH MCLAUGHLIN**

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



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