

# Alcotest 7110 Calibration Record

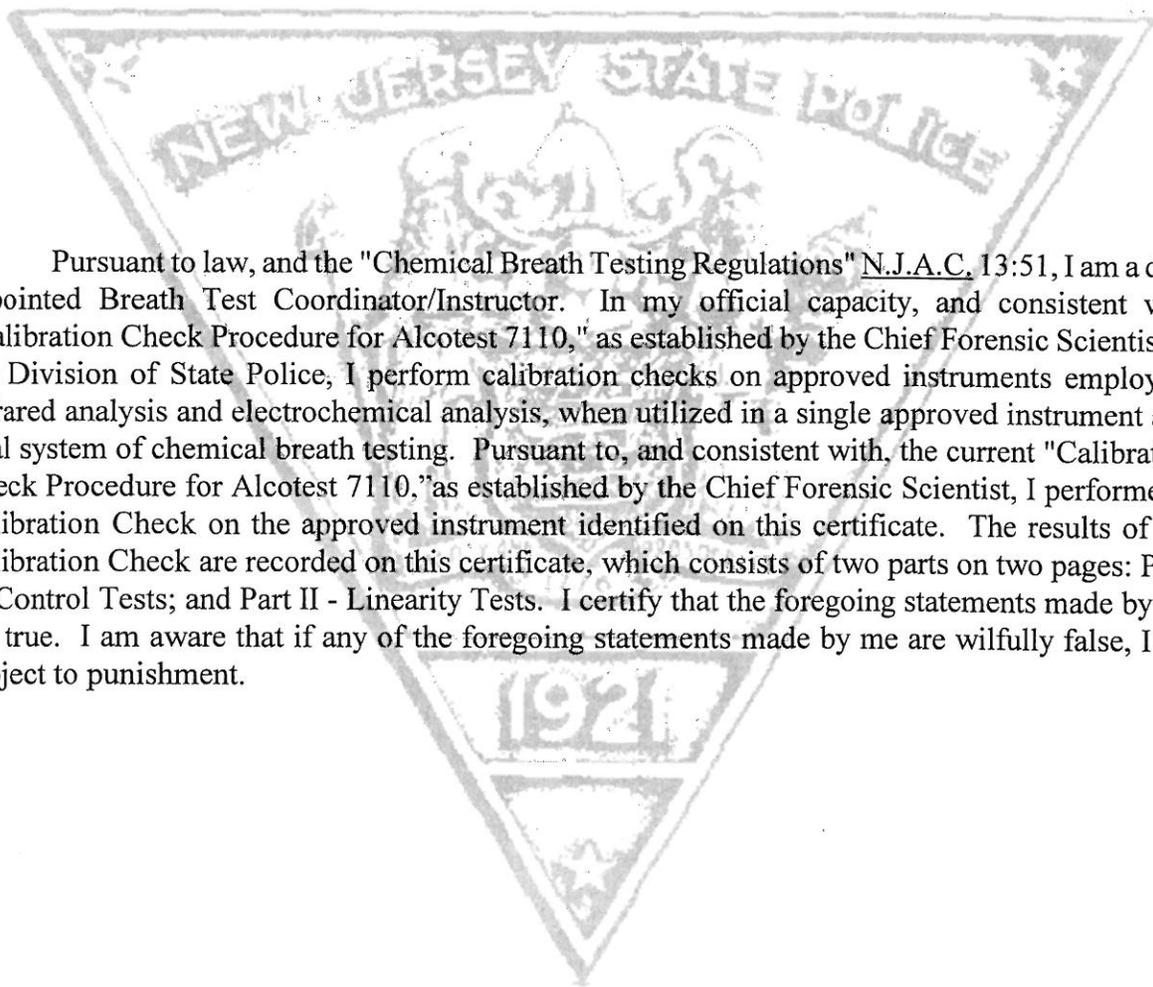
**Equipment** Alcotest 7110 MKIII-C Serial No.: ARTL-0005  
Location: PLAINSBORO TOWNSHIP PD  
Calibration File No.: 01622 Calib. Date: 07/06/2015 Calib. No.: 00030  
Certification File No.: 01570 Cert. Date: 01/08/2015 Cert. No.: 00022  
Linearity File No.: 01571 Lin. Date: 01/08/2015 Lin. No.: 00022  
Solution File No.: 01621 Soln. Date: 06/29/2015 Soln. No.: 00196  
Sequential File No.: 01622 File Date: 07/06/2015

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUF S3-0064  
Control Solution %: 0.100% Expires: 09/23/2015  
Solution Control Lot: 131123 Bottle No.: 1295

## Coordinator

Last Name: GONCALVES First Name: MICHELLE MI: L  
Signature: Sgt Michelle Goncalves #6040 Badge No.: 6040  
Date: 07/06/2015

\*Black Key Temperature Probe Serial.....# DDUNP2-231 (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  
Location: PLAINSBORO TOWNSHIP PD  
Serial No.: ARTL-0005  
Calibration File No.: 01622  
Calib. Date: 07/06/2015  
Calib. No.: 00030  
Certification File No.: 01623  
Cert. Date: 07/06/2015  
Cert. No.: 00023  
Linearity File No.: 01571  
Lin. Date: 01/08/2015  
Lin. No.: 00022  
Solution File No.: 01621  
Soln. Date: 06/29/2015  
Soln. No.: 00196  
Sequential File No.: 01623  
File Date: 07/06/2015

Calibrating Unit: WET  
Control Solution %: 0.100%  
Solution Control Lot: 13I123  
Model No.: CU-34  
Serial No.: DDUF S3-0064  
Expires: 09/23/2015  
Bottle No.: 1295

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:50D		
Control 1 EC	0.100%	10:50D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:50D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:51D		
Control 2 EC	0.099%	10:51D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.100%	10:51D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:52D		
Control 3 EC	0.100%	10:53D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	10:53D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:53D		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: 

Badge No.: 6040

Date: 07/06/2015

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.: ARTL-0005  
Location: PLAINSBORO TOWNSHIP PD  
Calibration File No.: 01622 Calib. Date: 07/06/2015 Calib. No.: 00030  
Certification File No.: 01623 Cert. Date: 07/06/2015 Cert. No.: 00023  
Linearity File No.: 01624 Lin. Date: 07/06/2015 Lin. No.: 00023  
Solution File No.: 01621 Soln. Date: 06/29/2015 Soln. No.: 00196  
Sequential File No.: 01624 File Date: 07/06/2015

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDMK S3-0003  
Control Solution %: 0.040% Expires: 09/13/2015  
Solution Control Lot: 13I120 Bottle No.: 0427

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDAE-0022  
Control Solution %: 0.080% Expires: 09/16/2015  
Solution Control Lot: 13I121 Bottle No.: 1279

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDCN-0052  
Control Solution %: 0.160% Expires: 08/05/2016  
Solution Control Lot: 14H131 Bottle No.: 1081

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:04D		
Control 1 EC	0.042%	11:05D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.041%	11:05D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:06D		
Control 2 EC	0.041%	11:07D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.040%	11:07D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:08D		
Control 3 EC	0.082%	11:09D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.082%	11:09D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:10D		
Control 4 EC	0.081%	11:10D	33.9°C	*** TEST PASSED ***
Control 4 IR	0.079%	11:10D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:12D		
Control 5 EC	0.162%	11:12D	33.9°C	*** TEST PASSED ***
Control 5 IR	0.162%	11:12D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:14D		
Control 6 EC	0.161%	11:14D	33.9°C	*** TEST PASSED ***
Control 6 IR	0.161%	11:14D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:16D		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: 

Badge No.: 6040

Date: 07/06/2015





**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:

DDUF53-0064

Certification Date

12-15-14

Technician

BC

Re-Certification Due Date

12-15-15

**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

DDSE P2-0396

Certification date:

12-15-14

Next Certification due:

12-15-15

Probe Value

106

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

BC

**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:

4-7-14

SERIAL NUMBER:

ARTL-0005

**Dräger 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

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:** Dräger Safety, Inc.

**ANALYSIS DATE:** 2/18/2014

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 14A126

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1196 to 0.1208 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 January 6, 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. Alaouie, Ph.D.  
Research Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 19<sup>th</sup> day of February, 2014.

Linda L. Desantis  
Notary

Linda L. Desantis  
Notary Public, New Jersey  
My Commission Expires 8-17-16



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# CERTIFICATE

This is to certify that

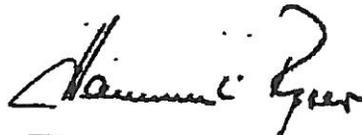
**Michelle Goncalves**

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

**Draeger**



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: 81220-601      S/N: 130802271      Manufacturer: Control Company

**Standards/Equipment:**

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-178	A45240		
Thermistor Module	A17118	2/13/14	1000332071
Temperature Probe	128	2/20/14	6-B4829-30-1
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A17118	2/13/14	1000332071
Temperature Probe	3038	2/20/14	6-B4829-1-1
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-273	B16388		
Digital Thermometer	B18915	8/12/14	1000341987
PRT Temperature Probe	02022	8/14/15	83812004

**Certificate Information:**

Technician: 88      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; Data=MANUFACTURE

*Nicol Rodriguez*  
Nicol Rodriguez, Quality Manager

*Aaron Aulice*  
Aaron Aulice, 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 rate, 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 Rax 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-01905-2005-AQ-HOU-RvA.  
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

DEPARTMENT OF  
**Traffic and Public Safety**  
 Motto: To be ready, that's the way

Michelle J. Gonçalves  
 New Jersey State Police

IN QUALITY AND COURTESY TO OUR CUSTOMERS AND TO THE PUBLIC WE STRIVE TO BE THE BEST  
 THE LEGAL AND ETHICAL STANDARDS OF THE POLICE OFFICER ARE THE FOUNDATION OF THE POLICE OFFICER'S DUTY  
 A MEMBER OF THE POLICE OFFICER'S GUILD  
 NEW JERSEY STATE POLICE OFFICER'S GUILD 7118 NOKIL-C  
 DEPARTMENT OF PUBLIC SAFETY  
 12th December

*[Signature]*  
 SUPERVISOR  
*[Signature]*  
 ATTORNEY GENERAL

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 12-3-13	GCPA	Wm Lora
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 2008 (Rev. 05/10)

DEPARTMENT OF  
**Traffic and Public Safety**  
 Motto: To be ready, that's the way

Michelle Gonçalves  
 New Jersey State Police

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 THE LEGAL AND ETHICAL STANDARDS OF THE POLICE OFFICER ARE THE FOUNDATION OF THE POLICE OFFICER'S DUTY  
 A MEMBER OF THE POLICE OFFICER'S GUILD  
 DEPARTMENT OF PUBLIC SAFETY  
 12th March

*[Signature]*  
 SUPERVISOR  
*[Signature]*  
 ATTORNEY GENERAL

ORIGINAL COURSE DATES

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

S.P. 2008 (Rev. 05/10)



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 083  
TRENTON, NJ 08625-0083  
TELEPHONE: (609) 984-6300

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 Guilfroy, 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:

DDMK53-0003

Certification Date

Technician

Re-Certification Due Date

9-19-14

BC

9-19-15



**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:

DDCN-0052

Certification Date

Technician

Re-Certification Due Date

9-22-14

BC

9-22-15



**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:

DDAE-0022

Certification Date

8-28-14

Technician

BC

Re-Certification Due Date

8-28-15

# 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

DDUNP2-231

Certification date:

9-19-14

Next Certification due:

9-19-15

Probe Value

107

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

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

KIM GUADAGNO  
 Lt. Governor

JOHN J. HOFFMAN  
 Acting Attorney General

COLONEL JOSEPH R. FUENTES  
 Superintendent

**CERTIFICATION OF ANALYSIS**  
**0.040 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: 10/25/2013

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 13I120

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 0.0489 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 September 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. Alaouie, Ph.D.  
 Research Scientist  
 NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 28<sup>th</sup> day of October, 2013.

Linda L. W. Pantes  
 Notary



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

CHRIS CHRISTIE  
 Governor

KIM GUADAGNO  
 Lt. Governor

JOHN J. HOFFMAN  
 Acting Attorney General

COLONEL JOSEPH R. FUENTES  
 Superintendent

**CERTIFICATION OF ANALYSIS**  
**0.080 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: 10/31/2013

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 131121

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0959 to 0.0971 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 15, 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 1st day of November, 2013.

Mary E. McLaughlin  
 Notary

MARY ELIZABETH MCLAUGHLIN  
 NOTARY PUBLIC OF NEW JERSEY  
 MY COMMISSION EXPIRES 12-24-2013



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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. FURNIES  
 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: 8/14/2014

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 14H131

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1925 to 0.1944 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 5, 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. Alaouie, Ph.D.  
 Research Scientist  
 NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 14<sup>th</sup> day of August, 2014.

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



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*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.

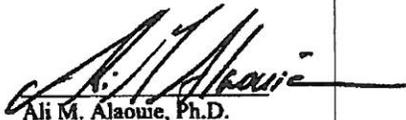
**MANUFACTURER:** Draeger Safety, Inc.                      **ANALYSIS DATE:** 10/24/2013

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 13I123

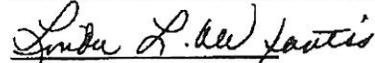
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1186 to 0.1192 grams per 100 milliliters of solution.

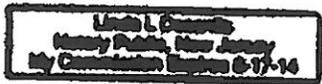
This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is September 23, 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. Alaoune, Ph.D.  
 Research Scientist  
 NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 24<sup>th</sup> day of October, 2013.

  
 Notary



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