

# Alcotest 7110 Calibration Record

## Equipment

Alcotest 7110 MKIII-C  
Location: PENNSAUKEN TWSP. P.D. Serial No.: ARUM-0066  
Calibration File No.: 02175 Calib. Date: 01/11/2017 Calib. No.: 00030  
Certification File No.: 02118 Cert. Date: 07/19/2016 Cert. No.: 00025  
Linearity File No.: 02119 Lin. Date: 07/19/2016 Lin. No.: 00025  
Solution File No.: 02169 Soln. Date: 12/19/2016 Soln. No.: 00226  
Sequential File No.: 02175 File Date: 01/11/2017

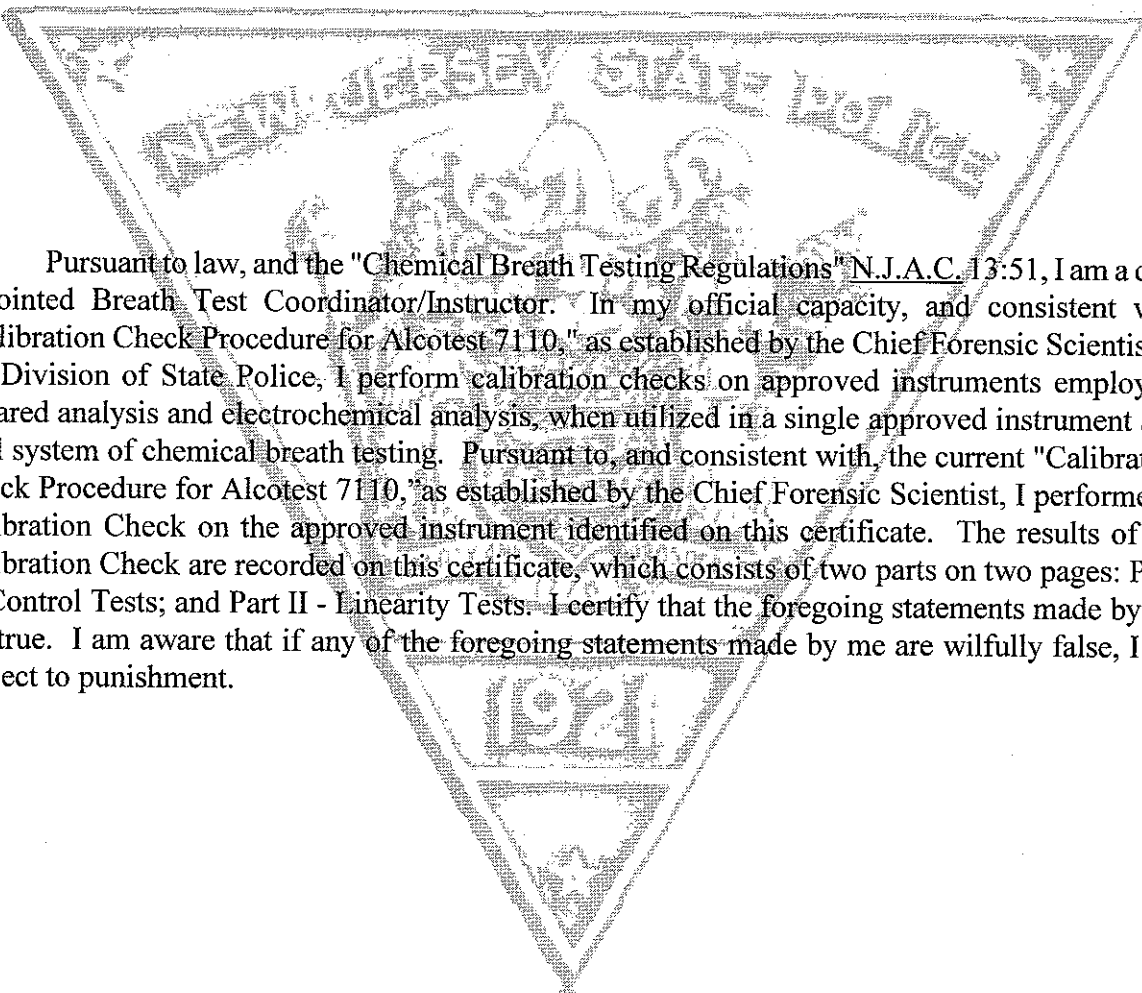
Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0341  
Control Solution %: 0.100% Expires: 09/07/2018  
Solution Control Lot: 16220 Bottle No.: 1465

## Coordinator

Last Name: GONCALVES First Name: MICHELLE MI: L  
Signature: Sgt. Michelle Goncalves #6040 Badge No.: 6040  
Date: 01/11/2017

\*Black Key Temperature Probe Serial.....# DDUN P2-237 (MA)

\*Digital NIST Temperature Measuring System Serial.....# 150734146 (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.: ARUM-0066  
Location: PENNSAUKEN TWSP. P.D.  
Calibration File No.: 02175 Calib. Date: 01/11/2017 Calib. No.: 00030  
Certification File No.: 02176 Cert. Date: 01/11/2017 Cert. No.: 00026  
Linearity File No.: 02119 Lin. Date: 07/19/2016 Lin. No.: 00025  
Solution File No.: 02169 Soln. Date: 12/19/2016 Soln. No.: 00226  
Sequential File No.: 02176 File Date: 01/11/2017

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0341  
Control Solution %: 0.100% Expires: 09/07/2018  
Solution Control Lot: 16220 Bottle No.: 1465

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:33S		
Control 1 EC	0.099%	10:33S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:33S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:34S		
Control 2 EC	0.100%	10:35S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	10:35S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:35S		
Control 3 EC	0.100%	10:36S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	10:36S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:37S		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: *Sgt Michelle Goncalves #6040*

Badge No.: 6040

Date: 01/11/2017

Pursuant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In my official capacity, and consistent with "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist of the Division of State Police, I perform calibration checks on approved instruments employing infrared analysis and electrochemical analysis, when utilized in a single approved instrument as a dual system of chemical breath testing. Pursuant to, and consistent with, the current "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist, I performed a Calibration Check on the approved instrument identified on this certificate. The results of my Calibration Check are recorded on this certificate, which consists of two parts on two pages: Part I - Control Tests; and Part II - Linearity Tests. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are wilfully false, I am subject to punishment.

# Alcotest 7110 Calibration Certificate

## Part II - Linearity Tests

**Equipment** Alcotest 7110 MKIII-C Serial No.: ARUM-0066  
**Location:** PENNSAUKEN TWSP. P.D.  
**Calibration File No.:** 02175 **Calib. Date:** 01/11/2017 **Calib. No.:** 00030  
**Certification File No.:** 02176 **Cert. Date:** 01/11/2017 **Cert. No.:** 00026  
**Linearity File No.:** 02177 **Lin. Date:** 01/11/2017 **Lin. No.:** 00026  
**Solution File No.:** 02169 **Soln. Date:** 12/19/2016 **Soln. No.:** 00226  
**Sequential File No.:** 02177 **File Date:** 01/11/2017

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**Calibrating Unit:** WET **Model No.:** CU-34 **Serial No.:** DDMK S3-0003  
**Control Solution %:** 0.040% **Expires:** 09/19/2018  
**Solution Control Lot:** 16230 **Bottle No.:** 0360

**Calibrating Unit:** WET **Model No.:** CU-34 **Serial No.:** DDXD S3-0193  
**Control Solution %:** 0.080% **Expires:** 09/27/2018  
**Solution Control Lot:** 16250 **Bottle No.:** 1223

**Calibrating Unit:** WET **Model No.:** CU-34 **Serial No.:** DDCN-0052  
**Control Solution %:** 0.160% **Expires:** 10/03/2018  
**Solution Control Lot:** 16260 **Bottle No.:** 1260

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:46S		
Control 1 EC	0.042%	10:47S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.042%	10:47S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:48S		
Control 2 EC	0.042%	10:49S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.042%	10:49S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:50S		
Control 3 EC	0.083%	10:51S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.081%	10:51S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:52S		
Control 4 EC	0.082%	10:53S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.081%	10:53S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:54S		
Control 5 EC	0.162%	10:55S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.158%	10:55S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:57S		
Control 6 EC	0.161%	10:57S	34.0°C	*** TEST PASSED ***
Control 6 IR	0.160%	10:57S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:59S		


All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: 

Badge No.: 6040

Date: 01/11/2017

# Calibrating Unit

## New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARUM-0066
Location:	PENNSAUKEN TWSP. P.D.	
Calibration File No.:	02175	Calib. Date: 01/11/2017
Certification File No.:	02176	Calib. No.: 00030
Linearity File No.:	02177	Cert. Date: 01/11/2017
Solution File No.:	02178	Cert. No.: 00026
Sequential File No.:	02178	Lin. Date: 01/11/2017
		Lin. No.: 00026
		Soln. Date: 01/11/2017
		Soln. No.: 00227
		File Date: 01/11/2017
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUN S3-0341
Solution Control Lot:	16330	Expires: 10/28/2018
		Bottle No.: 0075

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	12:06S		
Control 1 EC	0.101%	12:06S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.101%	12:06S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:07S		
Control 2 EC	0.101%	12:08S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.101%	12:08S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:08S		
Control 3 EC	0.101%	12:09S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	12:09S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:10S		

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: DDHH P2 - 040 MB

**Changed By:**

Last Name: GONCALVES

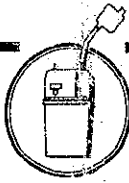
First Name: MICHELLE

MI: L

Signature: Sgt Michelle Goncalves #6040

Badge No.: 6040

Date: 01/11/2017



**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:

DDUN53-0341

Certification Date

10-26-16

Technician

KAY

Re-Certification Due Date

10-26-17

**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

DDHHP2-040

Certification date:

10-27-16

Next Certification due:

10-27-17

Probe Value

104

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

KAY

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:

7-6-16

SERIAL NUMBER:

ARUM-0066

Draeger Safety Diagnostics, Inc.

BC



State of New Jersey

OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 08628-0068
(609) 882-2000

CHRIS CHRISTIE
Governor

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.

[Handwritten signature of Ali M. Alaoui]

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

Sworn to and subscribed before me this 17th day of November, 2016.

[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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Printed on Recycled Paper and Recyclable





Calibration  
Certificate No. 1750.01

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



**Cert. No.: 4000-7111002**

**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: 150734146      Manufacturer: Control Company

**Standards/Equipment:**

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-256	B01375		
Temperature Probe	128	4/02/16	15-A0P2S-40-1
Thermistor Modulé	A17118	3/03/16	1000371058
Temperature Calibration Bath TC-179	A45240		
Thermistor Module	A17118	3/03/16	1000371058
Temperature Probe	3039	4/02/16	15--A0P2S-20-1
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A27129	11/04/15	1000365407
Temperature Probe	5202	11/19/16	6-CV9Y2-1-1
Temperature Calibration Bath TC-309	B3A444		
Thermistor Module	A27129	11/04/15	1000365407
Temperature Probe	5267	11/19/16	6-CV9Y0-1-1

**Certificate Information:**

Technician: 104      Procedure: CAL-06      Cal Date: 10/02/15      Due Date: 10/02/17  
Test Conditions: 23.1°C      46.0 %RH      1016 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	0.001	Y	-0.051	0.049	0.013	3.8:1
°C		N.A.		24.999	25.001	Y	24.949	25.049	0.014	3.6:1
°C		N.A.		50.000	50.001	Y	49.950	50.050	0.014	3.6:1
°C		N.A.		100.002	100.000	Y	99.952	100.052	0.014	3.6:1

**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-01805-2006-AQ-HOU-RVA.  
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



DEPARTMENT OF  
**Traffic and Public Safety**  
Office to certify that

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

IS QUALIFIED AND COMPETENT TO CONDUCT THE COURSE IN ACCORDANCE WITH CHAPTER 142 OF  
THE LAWS OF 1946 IN THE OPERATION OF THE **Alcotest 7110 MKIII-C**  
A METHOD TO DETERMINE INTOXICATION,  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THE 15th DAY OF December

TWO THOUSAND AND Eleven

*[Signature]*  
SUPERINTENDENT  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

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

S.P. 2938 (Rev. 03/10)

DEPARTMENT OF  
**Traffic and Public Safety**  
Office to certify that

**Michelle Gonçalves**  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT THE COURSE IN ACCORDANCE WITH CHAPTER 142 OF  
THE LAWS OF 1946 IN THE OPERATION OF THE **Breath Test Coordinator/Instructor**  
A METHOD TO DETERMINE INTOXICATION,  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THE 23rd DAY OF March

TWO THOUSAND AND Twelve

*[Signature]*  
SUPERINTENDENT  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

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

S.P. 2938 (Rev. 02/12)



**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:

DDMK53-0003

Certification Date

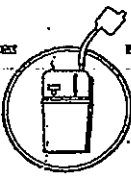
9-28-16

Technician

72

Re-Certification Due Date

9-28-17



**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:

DDCN-0052

Certification Date

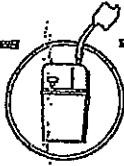
9-28-16

Technician

72

Re-Certification Due Date

9-28-17



**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:

DDXDS3-0193

Certification Date

09-27-16

Technician

RAJ

Re-Certification Due Date

9-27-17

# 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

DDUNP2-237

Certification date:

9-30-16

Next Certification due:

9-30-17

Probe Value

105

Draeger 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

CHRISTOPHER S. PORRINO  
Attorney General

COLONEL JOSEPH R. FURNIES  
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.

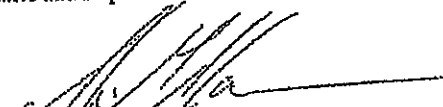
ANALYSIS DATE: 09/19/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16220

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 0.1207 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 September 07, 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 19th day of September, 2016.

  
Notary

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



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State of New Jersey

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

CHRISTOPHER S. PORRINO  
Attorney General  
COLONEL JOSEPH R. FUENTES  
Superintendent

CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lt. Governor

**CERTIFICATION OF ANALYSIS**  
**0.04 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: Dräger Safety, Inc.


ANALYSIS DATE: 09/27/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16230

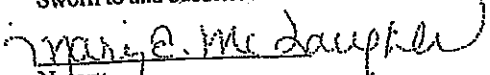
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0484 to 0.0492 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is September 19, 2018.

As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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

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

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



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State of New Jersey

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**  
**0.08 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION**

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0939 to 0.0997 grams per 100 milliliters of solution.

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 10/04/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0965 to 0.0975 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is September 27, 2018.

As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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

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

Notary

MARY ELIZABETH MCLAUGHLIN

ID # 2052190  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
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Governor

KIM GUADAÑO  
Lt. Governor

**CERTIFICATION OF ANALYSIS**  
**0.16 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION**

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.1878 to 0.1994 grams per 100 milliliters of solution.

MANUFACTURER: Dräger Safety, Inc.

ANALYSIS DATE: 10/13/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1928 to 0.1964 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is October 3, 2018.

As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

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

Sworn to and subscribed before me this 17 day of October, 2016.

Notary

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



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