

# Alcotest 7110 Calibration Record

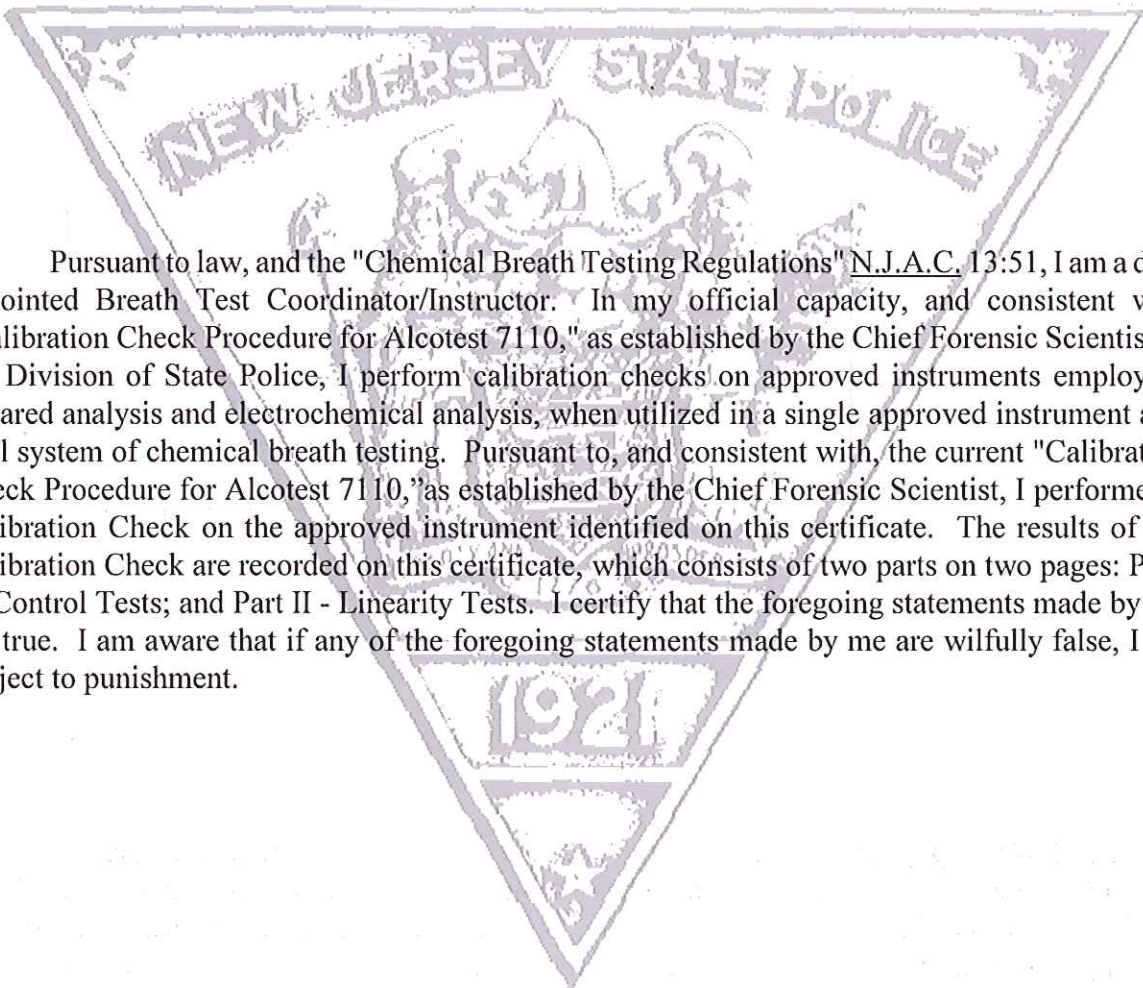
## Equipment

Alcotest 7110 MKIII-C	Serial No.: ARTN-0042	
Location: HIGHTSTOWN POLICE		
Calibration File No.: 01318	Calib. Date: 01/08/2018	Calib. No.: 00033
Certification File No.: 01285	Cert. Date: 08/07/2017	Cert. No.: 00027
Linearity File No.: 01286	Lin. Date: 08/07/2017	Lin. No.: 00027
Solution File No.: 01314	Soln. Date: 12/17/2017	Soln. No.: 00229
Sequential File No.: 01318	File Date: 01/08/2018	
Calibrating Unit: WET	Model No.: CU-34	Serial No.: DDUL S3-0183
Control Solution %: 0.100%		Expires: 10/10/2018
Solution Control Lot: 16270		Bottle No.: 0530

## Coordinator

Last Name: GONCALVES First Name: MICHELLE MI: L  
Signature: Sgt. Michelle Goncalves #6040 Badge No.: 6040  
Date: 01/08/2018

\*Black Key Temperature Probe Serial.....# DDXK P2 - 398 MA  
\*Digital NIST Temperature Measuring System Serial.....# 170309355 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

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.:	ARTN-0042		
Location:	HIGHTSTOWN POLICE				
Calibration File No.:	01318	Calib. Date:	01/08/2018	Calib. No.:	00033
Certification File No.:	01319	Cert. Date:	01/08/2018	Cert. No.:	00028
Linearity File No.:	01286	Lin. Date:	08/07/2017	Lin. No.:	00027
Solution File No.:	01314	Soln. Date:	12/17/2017	Soln. No.:	00229
Sequential File No.:	01319	File Date:	01/08/2018		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUL S3-0183
Control Solution %:	0.100%			Expires:	10/10/2018
Solution Control Lot:	16270			Bottle No.:	0530

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:58S		
Control 1 EC	0.100%	12:59S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.101%	12:59S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:00S		
Control 2 EC	0.098%	13:00S	33.9°C	*** TEST PASSED ***
Control 2 IR	0.101%	13:00S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:01S		
Control 3 EC	0.099%	13:02S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	13:02S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:03S		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Adams #6040

Badge No.: 6040

Date: 01/08/2018

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.: ARTN-0042  
Location: HIGHTSTOWN POLICE  
Calibration File No.: 01318 Calib. Date: 01/08/2018 Calib. No.: 00033  
Certification File No.: 01319 Cert. Date: 01/08/2018 Cert. No.: 00028  
Linearity File No.: 01320 Lin. Date: 01/08/2018 Lin. No.: 00028  
Solution File No.: 01314 Soln. Date: 12/17/2017 Soln. No.: 00229  
Sequential File No.: 01320 File Date: 01/08/2018

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0012  
Control Solution %: 0.040% Expires: 09/19/2018  
Solution Control Lot: 16230 Bottle No.: 0846

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0015  
Control Solution %: 0.080% Expires: 09/27/2018  
Solution Control Lot: 16250 Bottle No.: 0493

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0025  
Control Solution %: 0.160% Expires: 10/03/2018  
Solution Control Lot: 16260 Bottle No.: 0294

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	13:20S		
Control 1 EC	0.043%	13:21S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.041%	13:21S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:23S		
Control 2 EC	0.041%	13:24S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.042%	13:24S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:26S		
Control 3 EC	0.082%	13:26S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.082%	13:26S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:28S		
Control 4 EC	0.081%	13:29S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.081%	13:29S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:31S		
Control 5 EC	0.162%	13:32S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.161%	13:32S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:34S		
Control 6 EC	0.162%	13:34S	34.0°C	*** TEST PASSED ***
Control 6 IR	0.161%	13:34S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:36S		

All tests within acceptable tolerance.

### Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt Michelle Delo #6040

Badge No.: 6040

Date: 01/08/2018

# Calibrating Unit

## New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARTN-0042
Location:	HIGHTSTOWN POLICE	
Calibration File No.:	01318	Calib. Date: 01/08/2018
Certification File No.:	01319	Calib. No.: 00033
Linearity File No.:	01320	Cert. Date: 01/08/2018
Solution File No.:	01321	Cert. No.: 00028
Sequential File No.:	01321	Lin. Date: 01/08/2018
		Lin. No.: 00028
		Soln. Date: 01/08/2018
		Soln. No.: 00230
		File Date: 01/08/2018
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUL S3-0183
Solution Control Lot:	17290	Expires: 09/14/2019
		Bottle No.: 0917

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	14:51S		
Control 1 EC	0.101%	14:52S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.101%	14:52S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:53S		
Control 2 EC	0.099%	14:54S	33.9°C	*** TEST PASSED ***
Control 2 IR	0.099%	14:54S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:55S		
Control 3 EC	0.100%	14:56S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.101%	14:56S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:57S		

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: DDWJP2 - 055 (u)

**Changed By:**

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Galvo #6040

Badge No.: 6040

Date: 01/08/2018

**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. 240 12/19/94 Notices)  
Dräger, Inc.

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

Serial Number:

DDULS3-0183

Certification Date:

7-28-17

Technician:

BC

Re-Certification Due Date:

7-28-18

**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:

DDWS P2-055

Certification Date:

7-31-17

Next Certification Due:

7-31-18

Probe Value:

100

Dräger, Inc.

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:

3-7-13

SERIAL NUMBER:

ARTN-0042

Dräger Safety Diagnostics, Inc.

ROC



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) 882-2080

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: 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]

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

Sworn to and subscribed before me this 22nd day of September, 2017.

[Handwritten signature]

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



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Calibration  
Certificate No. 1750.01

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



Cert. No.: 4000-8497880

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: 170309355      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: 4/26/17      Due Date: 4/26/19  
Test Conditions: 24.3°C      62.0 %RH      1000 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	0.001	Y	-0.048	0.052	0.010	>4:1
°C		N.A.		25.000	25.001	Y	24.950	25.050	0.010	>4:1
°C		N.A.		50.001	50.001	Y	49.951	50.051	0.010	>4:1
°C		N.A.		100.003	99.999	Y	99.953	100.053	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 9001:2009 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**  
Which is to certify that

Michelle L. Goncalves  
New Jersey State Police

QUALIFIED AND COMPETENT TO CONDUCT GENERAL REFRESHER COURSES PURSUANT TO CHAPTER 10 OF  
THE LAWS OF THIS STATE IN CONNECTION WITH THE BREATH TEST COORDINATOR/INSTRUCTOR  
COURSE TO DETERMINE PROTECTOR  
IN UNDERSTANDING ATTENTION TO THE PROVISIONS OF SECTION 17-27  
15th day of December

TWO THOUSAND AND EIGHTEEN

*[Signature]*  
SUPERVISOR  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 12-3-13	GCRA	Wm Lora
2. 9/17/15	GCEA	Adam Stankovic
3. 3/8/17	LOKEHURST	Adam Stankovic
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 2939 (Rev. 03/10)

ORIGINAL COURSE DATES

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

S.P. 2939 (Rev. 02/12)

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

Michelle Goncalves  
New Jersey State Police

QUALIFIED AND COMPETENT TO CONDUCT GENERAL REFRESHER COURSES PURSUANT TO CHAPTER 10 OF  
THE LAWS OF THIS STATE IN CONNECTION WITH THE BREATH TEST COORDINATOR/INSTRUCTOR  
COURSE TO DETERMINE PROTECTOR  
IN UNDERSTANDING ATTENTION TO THE PROVISIONS OF SECTION 17-27  
23rd day of March

TWO THOUSAND AND TWELVE

*[Signature]*  
SUPERVISOR  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

**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:

DDRKS3-0012

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:

DDRKS3-0015

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:  
DDRKS3-0025

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 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: DDXKP2-398 Certification Date: 9-8-17 Next Certification Due: 9-8-18

Probe Value: 105 Dräger, 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: 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.

[Handwritten signature]

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

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

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



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State of New Jersey

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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. FLIENTIS  
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.

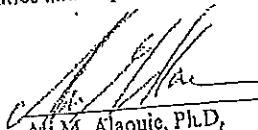
ANALYSIS DATE: 09/27/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16230

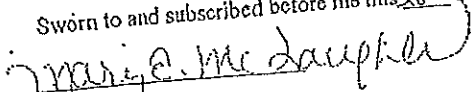
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0484 to 0.0492 grams per 100 milliliters of solution.

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 7668  
WEST TRENTON, NJ 08628-0068  
(609) 882-2000

CHRISTOPHER S. PORRINO  
Attorney General

COLONEL JOSEPH R. FUENTES  
Superintendent

CHRIS CHRISTIE  
Governor

KIM GUADAÑO  
Lt. Governor

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

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

MARY ELIZABETH MCLAUGHLIN

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



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(609) 882-2000

CHRISTOPHER S. PORRINO  
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Superintendent

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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: Draeger Safety, Inc.

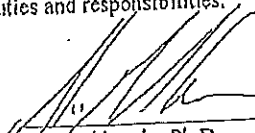
ANALYSIS DATE: 10/13/2016

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 16260

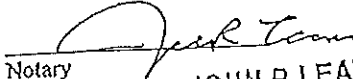
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1928 to 0.1964 grams per 100 milliliters of solution.

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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