

# Alcotest 7110 Calibration Record

## Equipment

Alcotest 7110 MKIII-C	Serial No.: ARXB-0076
Location: SPRING LAKE POLICE	
Calibration File No.: 00443	Calib. Date: 06/28/2019
Certification File No.: 00417	Calib. No.: 00026
Linearity File No.: 00418	Cert. Date: 01/24/2019
Solution File No.: 00439	Cert. No.: 00023
Sequential File No.: 00443	Lin. Date: 01/24/2019
	Lin. No.: 00023
	Soln. Date: 06/09/2019
	Soln. No.: 00179
	File Date: 06/28/2019
Calibrating Unit: WET	Model No.: CU-34
Control Solution %: 0.100%	Serial No.: DDYB S3-0001
Solution Control Lot: 18220	Expires: 07/23/2020
	Bottle No.: 1480

## Coordinator

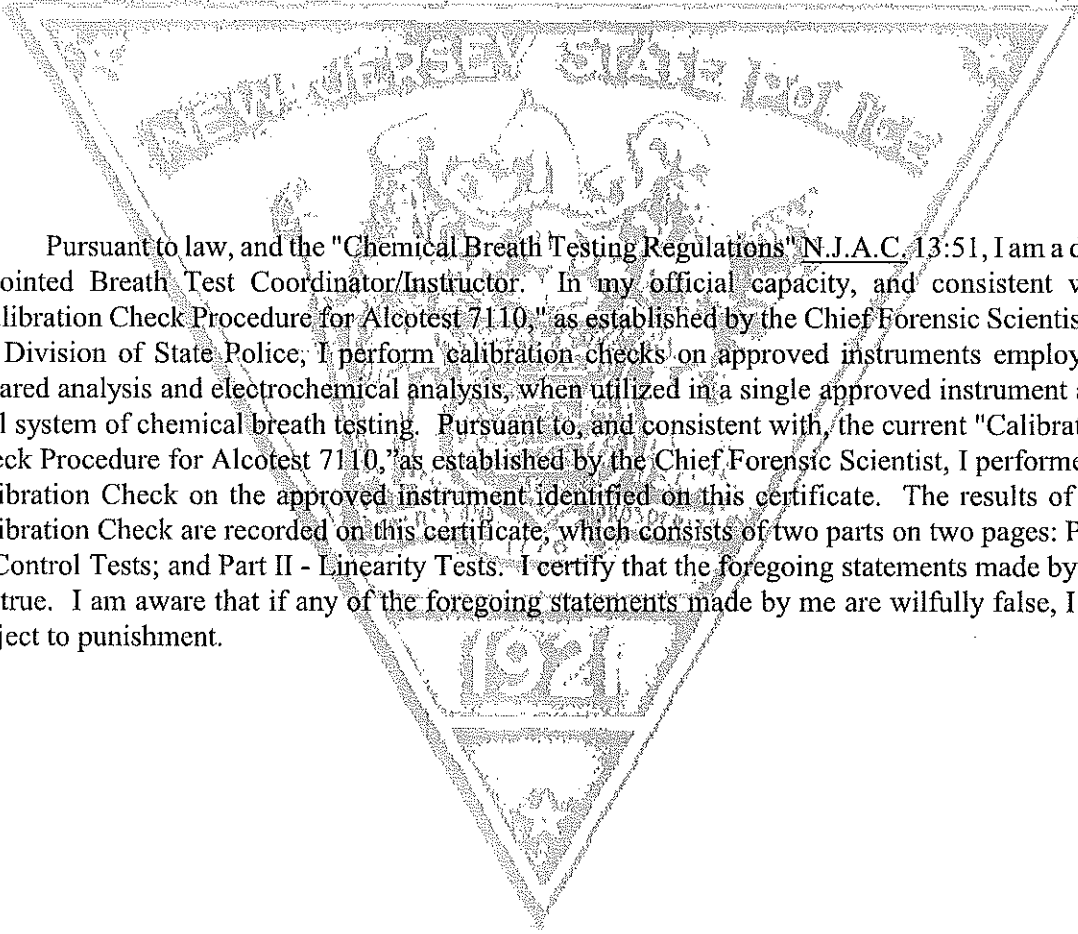
Last Name: LUTZ First Name: DENNIS MI: J  
Signature: Top I Dent 7045 Badge No.: 7045  
Date: 06/28/2019

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

DDLAP3-0023 (DL)

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

191 959 029 (DL)



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.:	ARXB-0076
Location:	SPRING LAKE POLICE		
Calibration File No.:	00443	Calib. Date:	06/28/2019
Certification File No.:	00444	Cert. Date:	06/28/2019
Linearity File No.:	00418	Lin. Date:	01/24/2019
Solution File No.:	00439	Soln. Date:	06/09/2019
Sequential File No.:	00444	File Date:	06/28/2019
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.100%	Serial No.:	DDYB S3-0001
Solution Control Lot:	18220	Expires:	07/23/2020
		Bottle No.:	1480

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	08:15D		
Control 1 EC	0.099%	08:15D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.100%	08:15D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:16D		
Control 2 EC	0.098%	08:17D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	08:17D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:17D		
Control 3 EC	0.098%	08:18D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.098%	08:18D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:19D		

All tests within acceptable tolerance.

### Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

Signature: \_\_\_\_\_

Badge No.: 7045

Date: 06/28/2019

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

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARXB-0076
Location:	SPRING LAKE POLICE	
Calibration File No.:	00443	Calib. Date: 06/28/2019
Certification File No.:	00444	Cert. No.: 00026
Linearity File No.:	00445	Cert. Date: 06/28/2019
Solution File No.:	00439	Lin. No.: 00024
Sequential File No.:	00445	Soln. Date: 06/09/2019
		Soln. No.: 00179
		File Date: 06/28/2019
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.040%	Serial No.: DDMK S3-0006
Solution Control Lot:	17240	Expires: 08/10/2019
		Bottle No.: 1438
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.080%	Serial No.: DDSC S3-0005
Solution Control Lot:	18250	Expires: 08/06/2020
		Bottle No.: 0890
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.160%	Serial No.: DDCN-0053
Solution Control Lot:	17260	Expires: 08/21/2019
		Bottle No.: 0366

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	08:27D		
Control 1 EC	0.041%	08:28D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.038%	08:28D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:29D		
Control 2 EC	0.040%	08:30D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.038%	08:30D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:31D		
Control 3 EC	0.081%	08:32D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.079%	08:32D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:33D		
Control 4 EC	0.080%	08:34D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.079%	08:34D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:35D		
Control 5 EC	0.159%	08:36D	33.9°C	*** TEST PASSED ***
Control 5 IR	0.158%	08:36D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:37D		
Control 6 EC	0.157%	08:38D	33.9°C	*** TEST PASSED ***
Control 6 IR	0.158%	08:38D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	08:40D		

All tests within acceptable tolerance.

### Coordinator

Last Name: LUTZ	First Name: DENNIS	MI: J
Signature: <u>Tpr I Dent 7045</u>	Badge No.: 7045	Date: 06/28/2019

# Calibrating Unit

## New Standard Solution Report

**Equipment** Alcotest 7110 MKIII-C Serial No.: ARXB-0076  
Location: SPRING LAKE POLICE  
Calibration File No.: 00443 Calib. Date: 06/28/2019 Calib. No.: 00026  
Certification File No.: 00444 Cert. Date: 06/28/2019 Cert. No.: 00024  
Linearity File No.: 00445 Lin. Date: 06/28/2019 Lin. No.: 00024  
Solution File No.: 00446 Soln. Date: 06/28/2019 Soln. No.: 00180  
Sequential File No.: 00446 File Date: 06/28/2019

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDYB S3-0001  
Control Solution %: 0.100% Expires: 04/09/2021  
Solution Control Lot: 19110 Bottle No.: 0599

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	09:45D		
Control 1 EC	0.098%	09:46D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.098%	09:46D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:46D		
Control 2 EC	0.097%	09:47D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.098%	09:47D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:48D		
Control 3 EC	0.097%	09:48D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.097%	09:48D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:49D		

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: DDXAP2-118 (DL)

### Changed By:

Last Name: LUTZ

First Name: DENNIS

MI: J

Signature: Tpr I Dent 7045

Badge No.: 7045

Date: 06/28/2019

**Alcotest 7110 MKIII-C Calibration**  
**NIST-Traceable Digital Thermometer Readings**

**Coordinator:**

Tpr I Dennis J Lutz  
Name

7045  
Badge No.

**Location:**

Spring Lake Police  
Agency

ARAB-0076  
Alcotest Serial No.

**Equipment:**

191 959 029  
Digital NIST Temperature Measuring System Serial No.

Simulator Solution Concentration	CU-34 Simulator Serial No.	Time Simulators Started to Heat	Time Temp. Reading Obtained	Temp. Reading on NIST Traceable Thermometer
0.04%	DDMK S3-0006	07:07 D	08:07 D	34.0°C
0.08%	DDSC S3-0005	07:07 D	08:08 D	34.0°C
0.10%	DDYB S3-0001	07:07 D	08:09 D	34.0°C
0.16%	DDCN-0053	07:07 D	08:09 D	34.0°C

Pursuant to law and the "Chemical Breath Testing Regulations" established at N.J.A.C. 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In my official capacity and consistent with the "Calibration Check Procedure for Alcotest 7110" as established by the Chief Forensic Scientist of the Division of State Police, I perform calibration checks on Alcotest 7110 MKIII-C instruments. Pursuant to and consistent with the current "Calibration Check Procedure for Alcotest 7110", I performed a Calibration Check Procedure on the Alcotest 7110 MKIII-C instrument identified on this certificate. Pursuant to the current "Calibration Check Procedure for Alcotest 7110", I used the Digital NIST-traceable Temperature Measuring System identified on this certificate to confirm that the temperatures of the 0.10%, 0.04%, 0.08%, and 0.16% Simulator Solutions used in the respective CU-34 Simulators identified on this certificate, were 34.0 degrees Celsius  $\pm$  0.2 degrees Celsius. I hereby certify that I truthfully recorded on this certificate the temperatures of each of the simulator solutions as shown on the Digital NIST-traceable Temperature Measuring System thermometer. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

Tpr I Dennis J Lutz 7045  
Coordinator's Signature

6-28-19  
Date

**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

☐ X-Cal 2000 (Alcosim)

☐ Other: \_\_\_\_\_

Serial Number:

DDMK53-0006

Certification Date:

2-18-19

Technician:

BS

Re-Certification Due Date:

2-18-20

**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

☐ X-Cal 2000 (Alcosim)

☐ Other: \_\_\_\_\_

Serial Number:

DDSC53-0005

Certification Date:

3-25-19

Technician:

BS

Re-Certification Due Date:

3-25-20

**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:

LDCN-0053

Certification Date:

1-10-19

Technician:

BS

Re-Certification Due Date:

1-10-20

**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:

DLAP3-0023

Certification Date:

6-10-19

Next Certification Due:

6-10-20

Probe Value:

101

Dräger, Inc.

BS



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



Cert. No.: 4000-10177848

Traceable® Certificate of Calibration for Digital Thermometer

Manufactured for and distributed by: VWR International LLC Radnor Corporate Center, Bldg 1, Ste 200, 100 Malsonford Road, Radnor, PA, 19087

Instrument Identification:

Model: 61220-601,

S/N: 191959029

Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath	93139		
Thermistor Module	A17118	20 Apr 2019	1000424560
Thermistor Module	A27129	10 Jan 2020	1000436202
Temperature Calibration Bath	A73332		
Temperature Probe	3039	08 May 2019	6-B7F4L-20-1
Temperature Calibration Bath	A79341		
Temperature Probe	5394	29 Jan 2020	B9124038
Temperature Calibration Bath	B16388		
Temperature Probe	5267	28 Jan 2020	B9124036

Certificate Information:

Technician: 104

Procedure: CAL-06

Cal Date: 13 Feb 2019

Cal Due Date: 13 Feb 2021

Test Conditions: 38.85%RH 24.21°C 1023mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
°C	N.A.	N.A.		-0.002	0.001	Y	-0.052	0.048	0.0087	>4:1
°C	N.A.	N.A.		24.999	25.000	Y	24.949	25.049	0.0087	>4:1
°C	N.A.	N.A.		50.001	50.000	Y	49.951	50.051	0.0087	>4:1
°C	N.A.	N.A.		100.000	100.002	Y	99.95	100.05	0.0087	>4:1

This certificate indicates Traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.

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;

*Nicol Rodriguez*

Nicol Rodriguez, Quality Manager

*Aaron Judice*

Aaron Judice, Technical Manager

Note :

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 Thermometer 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 sales@control3.com www.control3.com

Control Company is an ISO/IEC 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 GL, Certificate No. CERT-01805-2008-AQ-HOU-RvA.  
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).





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



Cert. No.: 4000-10177848

Traceable® Certificate of Calibration for Digital Thermometer

---

---

CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598  
Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.control3.com

Control Company is an ISO/IEC 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 GL, Certificate No. CERT-01805-2006-AQ-HOU-RvA.  
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



## 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

PHILIP D. MURPHY  
Governor

STELLA Y. OLIVER  
Lt. Governor

GURBIR S. GREWAL  
Attorney General

PATRICK J. CALLAHAN  
Colonel

### **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.

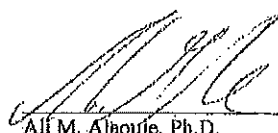
**ANALYSIS DATE:** 07/31/2018

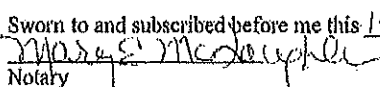
**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 18220

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1210 to 0.1233 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 July 23, 2020.

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 1st day of August, 2018.  
  
Notary

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



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable





## 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** **0.04 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.

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

Sworn to and subscribed before me this 30<sup>th</sup> day of August, 2017.

Notary

**MARY ELIZABETH MCLAUGHLIN**

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



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable





## 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

PHILIP D. MURPHY  
Governor

SHEILA Y. OLIVER  
Lt. Governor

GURBIR S. GREWAL  
Attorney General

PATRICK J. CALLAHAN  
Colonel

### **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: 08/30/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0976 to 0.0987 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 06, 2020.

As Assistant Chief Forensic 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.

Michael Kennedy  
Michael Kennedy  
Assistant Chief Forensic Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 14<sup>th</sup> day of September, 2018.  
Mary E. McLaughlin  
Notary

**MARY ELIZABETH MCLAUGHLIN**

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



"An Internationally Accredited Agency"

New Jersey is an Equal Opportunity Employer  
Minimizing Recycled Paper and Recyclable





## 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** **0.16 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.

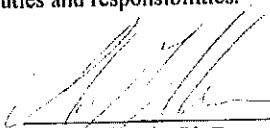
**ANALYSIS DATE:** 09/12/2017

**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.

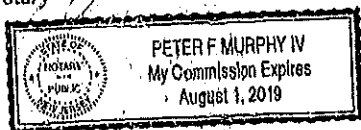
This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration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

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

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

Notary



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable





# 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

PHILIP D. MURPHY  
Governor

SHEILA Y. OLIVER  
Lt. Governor

GURBIR S. GREWAL  
Attorney General

PATRICK J. CALLAHAN  
Colonel

## **CERTIFICATION OF ANALYSIS** **0.100 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.

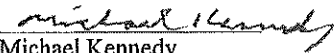
**ANALYSIS DATE:** 04/30/2019

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 19110

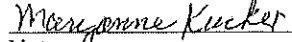
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1216 to 0.1223 grams per 100 milliliters of solution.

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 April 09, 2021.

As Assistant Chief Forensic 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.

  
Michael Kennedy  
Assistant Chief Forensic Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 2nd day of May, 2019.

  
Notary



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable





## 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

PHILIP D. MURPHY  
*Governor*

SHEILA Y. OLIVER  
*Lt. Governor*

GURBIR S. GREWAL  
*Attorney General*

PATRICK J. CALLAHAN  
*Colonel*

### **CERTIFICATION OF ANALYSIS** **0.100 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.

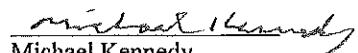
**ANALYSIS DATE:** 04/30/2019

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 19110

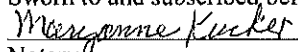
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1216 to 0.1223 grams per 100 milliliters of solution.

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 April 09, 2021.

As Assistant Chief Forensic 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.

  
Michael Kennedy  
Assistant Chief Forensic Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 2nd day of May, 2019.

  
Notary



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable



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

**Dennis J. Lutz**

**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 29th DAY OF January

TWO THOUSAND AND Nineteen

[Signature]  
COLONEL  
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. 293B (Rev. 01/18)

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

**Dennis J. Lutz**  
**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 1st DAY OF October

TWO THOUSAND AND Nine

[Signature]  
SUPERINTENDENT  
NEW JERSEY STATE POLICE

[Signature]  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 2-3-11	OCPA	Wm. Lutz
2. 1-24-13	OCPA	Adam Stankov
3. 11-23-15	GCPA	N. Goncalves
4. 4/6/17	LAKEWOOD	Adam Stankov
5.		
6.		
7.		
8.		
9.		

S.P. 293B (Rev. 07/07)



**Bridge**

**Alcotest 7410 MKII-C**

# CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 7410 MKII-C has been tested for accuracy and found to be in compliance with the National Highway Traffic Safety Administration's standard for alcohol breath testing devices. The Alcotest 7410 MKII-C is certified as a "Model" and "Type" under DOT 40001, as per 40001 and in 40001.

The manufacturer warrants the accuracy of the instrument within 12 months of the calibration date shown, or longer, according to your state's regulations.

Certification Date:

7-15-14

SERIAL NUMBER:

88X15-0076

Dynapar Safety Electronics, Inc.

PC

# 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:

DDYBS3-0001

Certification Date:

8-14-18

Technician:

BS

Re-Certification Due Date:

8-14-19

# Dräger

## Alcotest 7110 Temperature Probe

### CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 7110 Temperature Probe has been tested for accuracy with instrumentation that is traceable to the National Institute of Standards and Technology (NIST). The manufacturer recommends accuracy verification of the Temperature Probe within 12 months of the certification date below, or sooner, according to your state's specifications. For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest 7110.

Serial Number Temp Probe:

DDXAP2-118

Certification Date:

8-14-18

Next Certification Due:

8-14-19

Probe Value:

101

Draeger, Inc.

BS

# Calibrating Unit

## New Standard Solution Report

**Equipment** Alcotest 7110 MKIII-C Serial No.: ARXB-0076  
Location: SPRING LAKE POLICE  
Calibration File No.: 00443 Calib. Date: 06/28/2019 Calib. No.: 00026  
Certification File No.: 00444 Cert. Date: 06/28/2019 Cert. No.: 00024  
Linearity File No.: 00445 Lin. Date: 06/28/2019 Lin. No.: 00024  
Solution File No.: 00460 Soln. Date: 07/31/2019 Soln. No.: 00184  
Sequential File No.: 00460 File Date: 07/31/2019

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDYB S3-0002  
Control Solution %: 0.100% Expires: 04/09/2021  
Solution Control Lot: 19110 Bottle No.: 0595

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	16:00D		
Control 1 EC	0.099%	16:00D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.099%	16:00D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	16:01D		
Control 2 EC	0.097%	16:02D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.098%	16:02D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	16:02D		
Control 3 EC	0.097%	16:03D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.098%	16:03D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	16:04D		

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: DDXAP2-117 (DL)

### Changed By:

Last Name: LUTZ

First Name: DENNIS

MI: J.

Signature: Tpc I Dent 7045

Badge No.: 7045

Date: 07/31/2019

# 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

☐ X-Cal 2000 (Alcosim)

☐ Other: \_\_\_\_\_

Serial Number:

DDYBS3-0002

Certification Date:

Technician:

Re-Certification Due Date:

6-27-19

BS

6-27-20

# 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:

Certification Date:

Next Certification Due:

DDXA P2-117

6-27-19

6-27-20

Probe Value:

99

Draeger, Inc.

BS



## 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

PHILIP D. MURPHY  
Governor

SHEILA Y. OLIVER  
Lt. Governor

GURBIR S. GREWAL  
Attorney General

PATRICK J. CALLAHAN  
Colonel

### CERTIFICATION OF ANALYSIS 0.100 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: 04/30/2019

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 19110

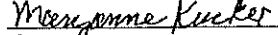
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1216 to 0.1223 grams per 100 milliliters of solution.

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 April 09, 2021.

As Assistant Chief Forensic 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.

  
Michael Kennedy  
Assistant Chief Forensic Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 2nd day of May, 2019.

  
Notary



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable



PHILIP D. MURPHY  
Governor

SHEILA Y. OLIVER  
Lt. Governor

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

GI

PAT

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

**ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION:** Ethyl alc concentration within, but not exceeding, the range of 0.1174 to 0.1246 grams per 100 milliliters of solution.

**MANUFACTURER:** Draeger Safety, Inc.

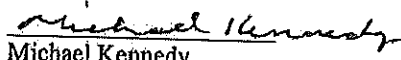
**ANALYSIS DATE:** 06/20/2019

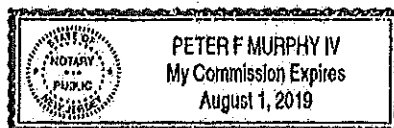
**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 19150

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found a mean ethyl alcohol concentration range of 0.1196 to 0.1212 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 utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 10, 2021.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests 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.

  
Michael Kennedy  
Assistant Chief Forensic Scientist  
NJSP Office of Forensic Sciences



Sworn to and subscribed before me this 26<sup>th</sup> day of June, 2019.

Notary



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable





## 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

PHILIP D. MURPHY  
Governor

SHEILA Y. OLIVER  
Lt. Governor

GURBIR S. GREWAL  
Attorney General

PATRICK J. CALLAHAN  
Colonel

### **CERTIFICATION OF ANALYSIS** **0.100 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.

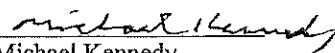
**ANALYSIS DATE:** 04/30/2019

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 19110

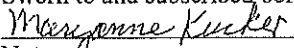
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1216 to 0.1223 grams per 100 milliliters of solution.

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 April 09, 2021.

As Assistant Chief Forensic 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.

  
Michael Kennedy  
Assistant Chief Forensic Scientist  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 2nd day of May, 2019.

  
Notary



"An Internationally Accredited Agency"

New Jersey Is An Equal Opportunity Employer  
Printed on Recycled Paper and Recyclable





# 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:      Certification Date:      Next Certification Due:

DDXA P2-117      6-27-19      6-27-20

Probe Value:

99      Draeger, Inc. BS



# Dräger

## Simulator

### CERTIFICATE OF ACCURACY

This Certificate of Accuracy verifies that the specified unit has been examined and found to be in compliance with National Highway and Traffic Safety Administration regulations for devices used to calibrate Evidential Breath Testers.  
(F.R. Vol. 59 No. 249 12/19/94 Notices)  
Draeger, Inc.

- ☒ Model: ALCOTEST CU34  
☐ Model: MARK IIA  
☐ X-Cal 2000 (Alcosim)  
☐ Other: \_\_\_\_\_

Serial Number:

DDYBS3-0002

Certification Date:

Technician:

Re-Certification Due Date:

6-27-19

BS

6-27-20