

# Alcotest 7110 Calibration Record

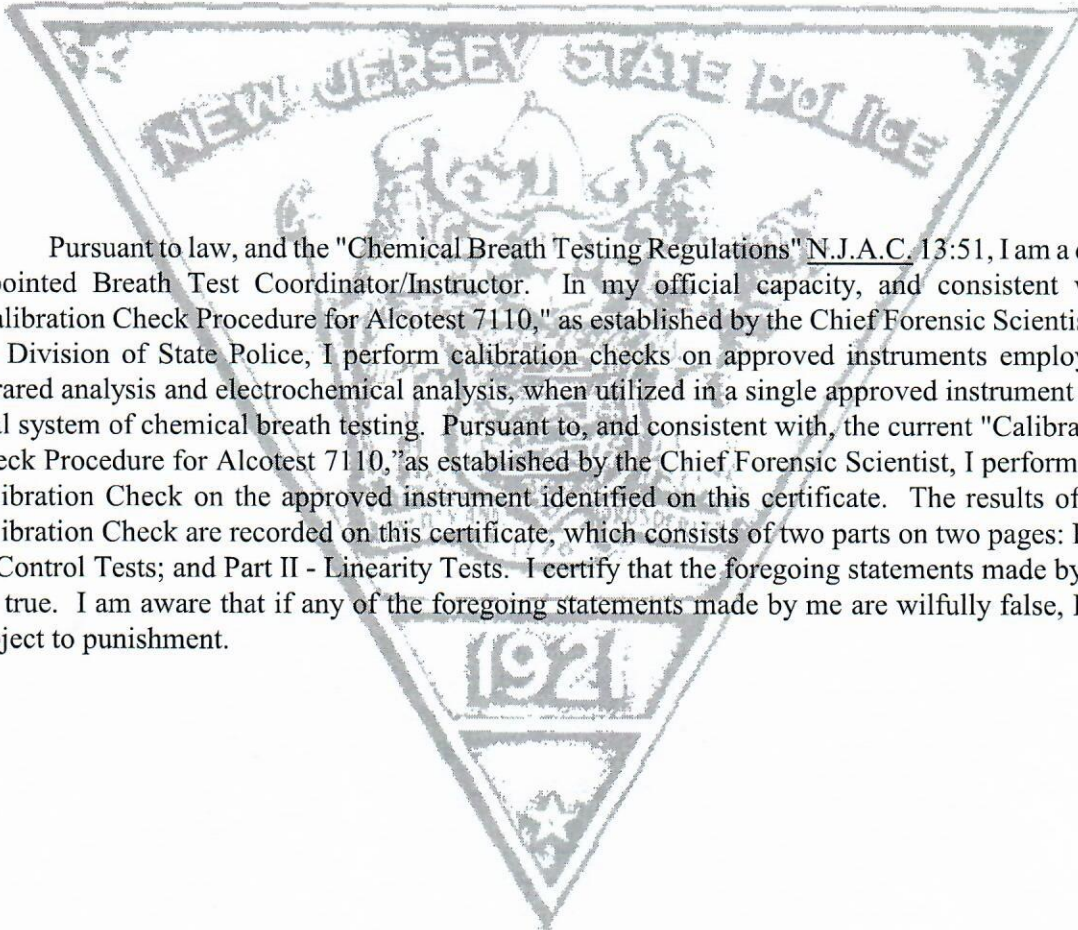
## Equipment

|                                  |                         |                       |
|----------------------------------|-------------------------|-----------------------|
| Alcotest 7110 MKIII-C            | Serial No.:             | ARXD-0004             |
| Location: SPRING LAKE HEIGHTS PD |                         |                       |
| Calibration File No.: 00398      | Calib. Date: 04/27/2020 | Calib. No.: 00032     |
| Certification File No.: 00392    | Cert. Date: 01/02/2020  | Cert. No.: 00027      |
| Linearity File No.: 00393        | Lin. Date: 01/02/2020   | Lin. No.: 00029       |
| Solution File No.: 00397         | Soln. Date: 03/03/2020  | Soln. No.: 00150      |
| Sequential File No.: 00398       | File Date: 04/27/2020   |                       |
| Calibrating Unit: WET            | Model No.: CU-34        | Serial No.: DDZJ-0097 |
| Control Solution %: 0.100%       |                         | Expires: 07/23/2020   |
| Solution Control Lot: 18220      |                         | Bottle No.: 1353      |

## Coordinator

Last Name: LUTZ First Name: DENNIS MI: J  
Signature: Tpr I Dent 7045 Badge No.: 7045  
Date: 04/27/2020

\*Black Key Temperature Probe Serial.....# DDEEP2-066 DU  
\*Digital NIST Temperature Measuring System Serial.....# 191 959 029 DU



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.: ARXD-0004  
Location: SPRING LAKE HEIGHTS PD  
Calibration File No.: 00398 Calib. Date: 04/27/2020 Calib. No.: 00032  
Certification File No.: 00399 Cert. Date: 04/27/2020 Cert. No.: 00028  
Linearity File No.: 00393 Lin. Date: 01/02/2020 Lin. No.: 00029  
Solution File No.: 00397 Soln. Date: 03/03/2020 Soln. No.: 00150  
Sequential File No.: 00399 File Date: 04/27/2020

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDZJ-0097  
Control Solution %: 0.100% Expires: 07/23/2020  
Solution Control Lot: 18220 Bottle No.: 1353

| Function          | Result | Time   | Temperature    | Comment(s)          |
|-------------------|--------|--------|----------------|---------------------|
|                   | %BAC   | HH:MM  | Simulator (°C) | or Error(s)         |
| Ambient Air Blank | 0.000% | 09:20D |                |                     |
| Control 1 EC      | 0.100% | 09:21D | 34.0°C         | *** TEST PASSED *** |
| Control 1 IR      | 0.100% | 09:21D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 09:21D |                |                     |
| Control 2 EC      | 0.100% | 09:22D | 34.0°C         | *** TEST PASSED *** |
| Control 2 IR      | 0.099% | 09:22D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 09:23D |                |                     |
| Control 3 EC      | 0.100% | 09:23D | 34.0°C         | *** TEST PASSED *** |
| Control 3 IR      | 0.099% | 09:23D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 09:24D |                |                     |

All tests within acceptable tolerance.

### Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

Signature: Tpr I Lutz 7045

Badge No.: 7045

Date: 04/27/2020

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.: ARXD-0004  
Location: SPRING LAKE HEIGHTS PD  
Calibration File No.: 00398 Calib. Date: 04/27/2020 Calib. No.: 00032  
Certification File No.: 00399 Cert. Date: 04/27/2020 Cert. No.: 00028  
Linearity File No.: 00400 Lin. Date: 04/27/2020 Lin. No.: 00030  
Solution File No.: 00397 Soln. Date: 03/03/2020 Soln. No.: 00150  
Sequential File No.: 00400 File Date: 04/27/2020

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDSC S3-0001  
Control Solution %: 0.040% Expires: 07/31/2020  
Solution Control Lot: 18240 Bottle No.: 0961

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXC S3-0020  
Control Solution %: 0.080% Expires: 08/06/2020  
Solution Control Lot: 18250 Bottle No.: 0946

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDMK S3-0008  
Control Solution %: 0.160% Expires: 08/21/2020  
Solution Control Lot: 18260 Bottle No.: 0104

| Function          | Result<br>%BAC | Time<br>HH:MM | Temperature<br>Simulator (°C) | Comment(s)<br>or Error(s) |
|-------------------|----------------|---------------|-------------------------------|---------------------------|
| Ambient Air Blank | 0.000%         | 09:38D        |                               |                           |
| Control 1 EC      | 0.042%         | 09:39D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 1 IR      | 0.039%         | 09:39D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 09:40D        |                               |                           |
| Control 2 EC      | 0.041%         | 09:41D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 2 IR      | 0.040%         | 09:41D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 09:42D        |                               |                           |
| Control 3 EC      | 0.082%         | 09:43D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 3 IR      | 0.080%         | 09:43D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 09:45D        |                               |                           |
| Control 4 EC      | 0.082%         | 09:45D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 4 IR      | 0.080%         | 09:45D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 09:47D        |                               |                           |
| Control 5 EC      | 0.160%         | 09:47D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 5 IR      | 0.159%         | 09:47D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 09:49D        |                               |                           |
| Control 6 EC      | 0.160%         | 09:50D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 6 IR      | 0.159%         | 09:50D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 09:51D        |                               |                           |

All tests within acceptable tolerance.

### Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

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

*Tpr I Dent 7045*

Badge No.: 7045

Date: 04/27/2020

# Calibrating Unit

## New Standard Solution Report

|                         |                        |              |            |
|-------------------------|------------------------|--------------|------------|
| <b>Equipment</b>        | Alcotest 7110 MKIII-C  | Serial No.:  | ARXD-0004  |
| Location:               | SPRING LAKE HEIGHTS PD |              |            |
| Calibration File No.:   | 00398                  | Calib. Date: | 04/27/2020 |
| Certification File No.: | 00399                  | Cert. No.:   | 00032      |
| Linearity File No.:     | 00400                  | Lin. Date:   | 04/27/2020 |
| Solution File No.:      | 00401                  | Cert. No.:   | 00028      |
| Sequential File No.:    | 00401                  | Lin. No.:    | 00030      |
|                         |                        | Soln. Date:  | 04/27/2020 |
|                         |                        | Soln. No.:   | 00151      |
|                         |                        | File Date:   | 04/27/2020 |
| <br>                    |                        |              |            |
| Calibrating Unit:       | WET                    | Model No.:   | CU-34      |
| Control Solution %:     | 0.100%                 | Serial No.:  | DDZJ-0097  |
| Solution Control Lot:   | 19300                  | Expires:     | 10/30/2021 |
|                         |                        | Bottle No.:  | 0440       |

| Function          | Result | Time   | Temperature    | Comment(s)          |
|-------------------|--------|--------|----------------|---------------------|
|                   | %BAC   | HH:MM  | Simulator (°C) | or Error(s)         |
| Ambient Air Blank | 0.000% | 11:05D |                |                     |
| Control 1 EC      | 0.099% | 11:06D | 34.0°C         | *** TEST PASSED *** |
| Control 1 IR      | 0.100% | 11:06D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 11:07D |                |                     |
| Control 2 EC      | 0.099% | 11:07D | 34.0°C         | *** TEST PASSED *** |
| Control 2 IR      | 0.098% | 11:07D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 11:08D |                |                     |
| Control 3 EC      | 0.099% | 11:09D | 34.0°C         | *** TEST PASSED *** |
| Control 3 IR      | 0.099% | 11:09D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 11:09D |                |                     |

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: DDXAP2-225 (DL)

**Changed By:**

Last Name: LUTZ      First Name: DENNIS      MI: J

Signature: Tpr I Lutz 7045      Badge No.: 7045

Date: 04/27/2020

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

**Coordinator:**

Tpr J Dennis J Lutz  
Name

7045  
Badge No.

**Location:**

Spring Lake Heights PD  
Agency

APXD-0004  
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%                            | DDSC 53-0001               | 08:06 D                         | 09:10 D                     | 34.0°C                                      |
| 0.08%                            | DDXC 53-0020               | 08:06 D                         | 09:11 D                     | 34.0°C                                      |
| 0.10%                            | DDZJ-0097                  | 08:06 D                         | 09:11 D                     | 34.0°C                                      |
| 0.16%                            | DDMK53-0008                | 08:06 D                         | 09:12 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 J Lutz 7045  
Coordinator's Signature

4-27-20  
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)  
Draeger, Inc.

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

Serial Number:

DDSCS3-0001

Certification Date:

7-18-19

Technician:

BS

Re-Certification Due Date:

7-18-20

**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)  
Draeger, Inc.

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

Serial Number:

DDXCS3-0020

Certification Date:

7-18-19

Technician:

BS

Re-Certification Due Date:

7-18-20

**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)  
Draeger, Inc.

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

Serial Number:

DDMK53-0008

Certification Date:

Technician:

Re-Certification Due Date:

7-18-19

BS

7-18-20

**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:

DDDEEP2-060

7-18-19

7-18-20

Probe Value:

104

Draeger, 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 Matsonford 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 Justice*

Aaron Justice, 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-01805-2006-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

SHEILA 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.

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

Sworn to and subscribed before me this 1st day of August, 2018.
Notary signature: Mary Elizabeth McLaughlin

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
0.040 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0469 to 0.0499 grams per 100 milliliters of solution.

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 08/28/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18240

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0486 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 July 31, 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.

[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 29th day of August, 2018.

[Handwritten signature of Mary Elizabeth 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
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
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

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

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
0.160 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 09/13/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1938 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 August 21, 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
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 15th 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
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: 11/14/2019

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 19300

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1206 to 0.1219 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 30, 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 15 day of November, 2019.

Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 50110522
My Commission Expires 8/13/2024



An Internationally Accredited Agency

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



DEPARTMENT OF  
**Transportation 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 1946 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. 2838 (Rev. 01/14)

DEPARTMENT OF  
**Transportation 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 1946 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]*  
 COLONEL  
 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 Horn     |
| 2. 1/24/13  | OCPA                   | Adam Standa |
| 3. 11-23-15 | GCPA                   | M. Gonzalez |
| 4. 4/6/17   | LAKELAND               | Adam Standa |
| 5. 8/22/19  | NJSP Galloway          | Burt        |
| 6.          |                        |             |
| 7.          |                        |             |
| 8.          |                        |             |
| 9.          |                        |             |

S.P. 2838 (Rev. 07/07)



**Dräger**

**Alcotest 7110**

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 has been tested for accuracy and found to be in compliance with the National Highway Traffic Safety Administration Standard for evidential breath testing devices. The Alcotest MKIII-C is compliant as a "mobile" and "nonmobile" EBT with 49 FR 48854, 49 FR 48864, and 58 FR 48705. The manufacturer recommends accuracy verification of this instrument within 12 months of the calibration date below, or sooner, according to your state's specifications.

Certification Date:

Serial Number:

12-20-19

ARX1D-0004

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:

DDZJ-0097

Certification Date:

2/13/20

Technician:

BS / [Signature]

Re-Certification Due Date:

2/13/21

**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:

DDXAP2-225

Certification Date:

2/12/20

Next Certification Due:

2/12/21

Probe Value:

104

Draeger, Inc.

BS / [Signature]