

# Alcotest 7110 Calibration Record

## Equipment

Alcotest 7110 MKIII-C  
Location: SEASIDE HEIGHTS POLICE  
Serial No.: ARWJ-0018  
Calibration File No.: 02070  
Calib. Date: 07/15/2022  
Calib. No.: 00046  
Certification File No.: 01976  
Cert. Date: 01/20/2022  
Cert. No.: 00036  
Linearity File No.: 01977  
Lin. Date: 01/20/2022  
Lin. No.: 00036  
Solution File No.: 02066  
Soln. Date: 07/04/2022  
Soln. No.: 00351  
Sequential File No.: 02070  
File Date: 07/15/2022

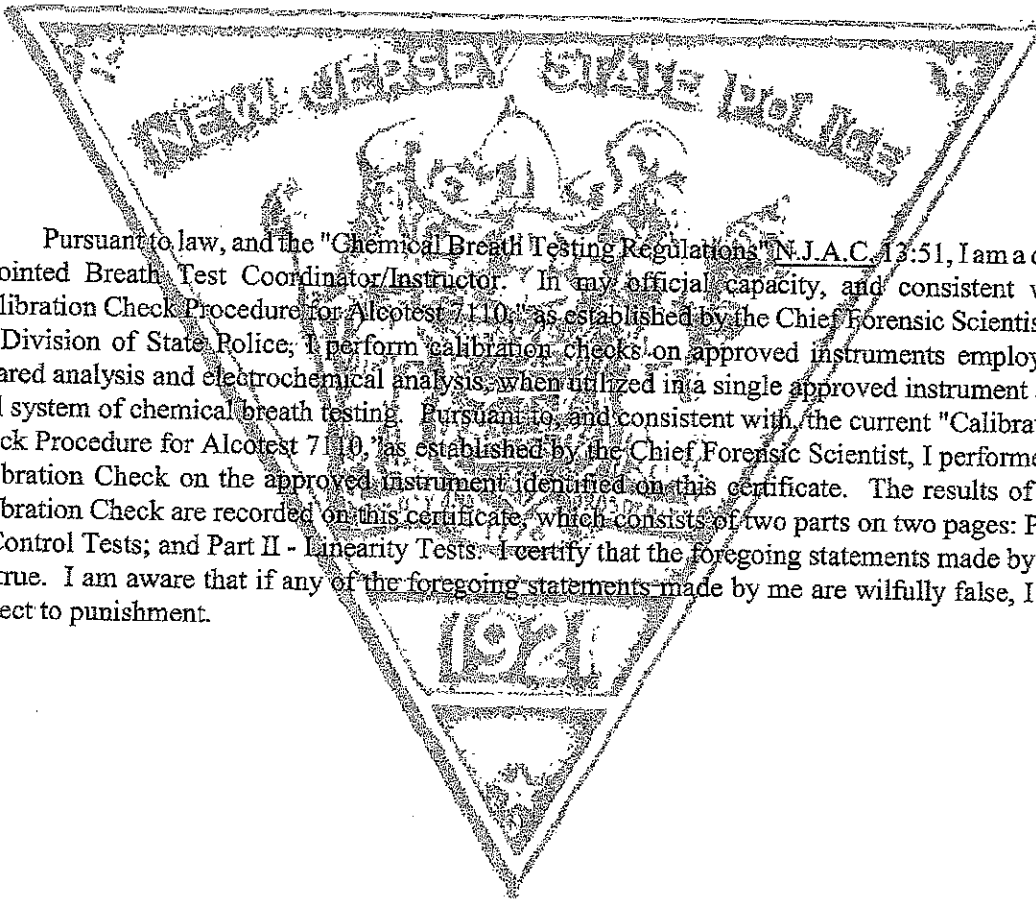
Calibrating Unit: WET  
Control Solution %: 0.100%  
Solution Control Lot: 21210  
Model No.: CU-34  
Serial No.: DDWL S3-0440  
Expires: 06/16/2023  
Bottle No.: 1291

## Coordinator

Last Name: LUTZ  
First Name: DENNIS  
MI: J  
Signature: Tpr I Dent 7045  
Badge No.: 7045  
Date: 07/15/2022

\*Black Key Temperature Probe Serial.....# DDEEP2-060 (DL)

\*Digital NIST Temperature Measuring System Serial.....# 210 216 827 (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.:  | ARWJ-0018    |
| Location:               | SEASIDE HEIGHTS POLICE |              |              |
| Calibration File No.:   | 02070                  | Calib. Date: | 07/15/2022   |
| Certification File No.: | 02071                  | Cert. Date:  | 07/15/2022   |
| Linearity File No.:     | 01977                  | Lin. Date:   | 01/20/2022   |
| Solution File No.:      | 02066                  | Soln. Date:  | 07/04/2022   |
| Sequential File No.:    | 02071                  | File Date:   | 07/15/2022   |
| Calibrating Unit:       | WET                    | Model No.:   | CU-34        |
| Control Solution %:     | 0.100%                 |              | Serial No.:  |
| Solution Control Lot:   | 21210                  |              | DDWL S3-0440 |
|                         |                        |              | Expires:     |
|                         |                        |              | 06/16/2023   |
|                         |                        |              | Bottle No.:  |
|                         |                        |              | 1291         |

| Function          | Result | Time   | Temperature    | Comment(s)          |
|-------------------|--------|--------|----------------|---------------------|
|                   | %BAC   | HH:MM  | Simulator (°C) | or Error(s)         |
| Ambient Air Blank | 0.000% | 09:57D |                |                     |
| Control 1 EC      | 0.099% | 09:57D | 34.0°C         | *** TEST PASSED *** |
| Control 1 IR      | 0.100% | 09:57D | 34.0°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 09:58D |                |                     |
| Control 2 EC      | 0.098% | 09:59D | 34.1°C         | *** TEST PASSED *** |
| Control 2 IR      | 0.099% | 09:59D | 34.1°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 09:59D |                |                     |
| Control 3 EC      | 0.098% | 10:00D | 34.1°C         | *** TEST PASSED *** |
| Control 3 IR      | 0.099% | 10:00D | 34.1°C         | *** TEST PASSED *** |
| Ambient Air Blank | 0.000% | 10:01D |                |                     |

All tests within acceptable tolerance.

**Coordinator**

Last Name: LUTZ

Signature: *[Handwritten Signature]*

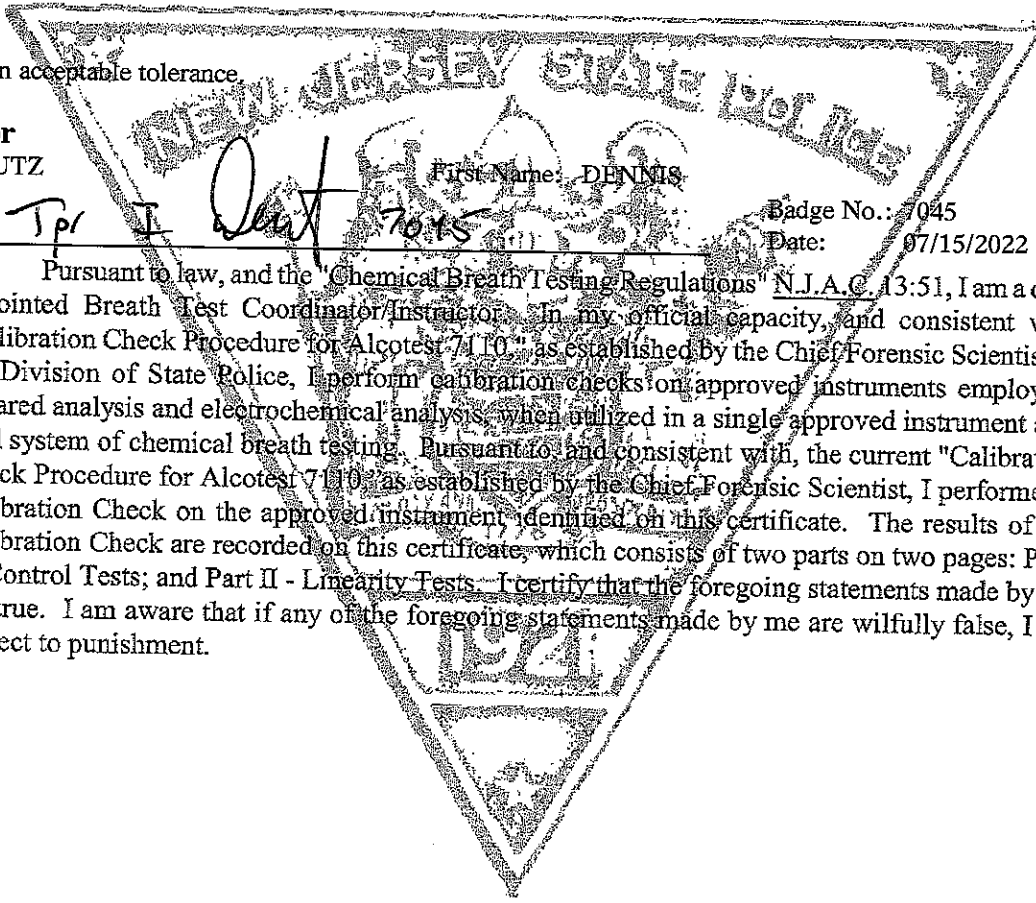
First Name: DENNIS

MI: J

Badge No.: 7045

Date: 07/15/2022

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.:  | ARWJ-0018    |
| Location:               | SEASIDE HEIGHTS POLICE |              |              |
| Calibration File No.:   | 02070                  | Calib. Date: | 07/15/2022   |
| Certification File No.: | 02071                  | Cert. Date:  | 07/15/2022   |
| Linearity File No.:     | 02072                  | Lin. Date:   | 07/15/2022   |
| Solution File No.:      | 02066                  | Soln. Date:  | 07/04/2022   |
| Sequential File No.:    | 02072                  | File Date:   | 07/15/2022   |
|                         |                        |              |              |
| Calibrating Unit:       | WET                    | Model No.:   | CU-34        |
| Control Solution %:     | 0.040%                 | Serial No.:  | DDWE S3-0211 |
| Solution Control Lot:   | 21250                  | Expires:     | 07/06/2023   |
|                         |                        | Bottle No.:  | 1440         |
|                         |                        |              |              |
| Calibrating Unit:       | WET                    | Model No.:   | CU-34        |
| Control Solution %:     | 0.080%                 | Serial No.:  | DDXC S3-0020 |
| Solution Control Lot:   | 21260                  | Expires:     | 07/19/2023   |
|                         |                        | Bottle No.:  | 0735         |
|                         |                        |              |              |
| Calibrating Unit:       | WET                    | Model No.:   | CU-34        |
| Control Solution %:     | 0.160%                 | Serial No.:  | DDMK S3-0008 |
| Solution Control Lot:   | 21290                  | Expires:     | 07/29/2023   |
|                         |                        | Bottle No.:  | 0981         |

| Function          | Result<br>%BAC | Time<br>HH:MM | Temperature<br>Simulator (°C) | Comment(s)<br>or Error(s) |
|-------------------|----------------|---------------|-------------------------------|---------------------------|
| Ambient Air Blank | 0.000%         | 10:15D        |                               |                           |
| Control 1 EC      | 0.041%         | 10:16D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 1 IR      | 0.040%         | 10:16D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 10:18D        |                               |                           |
| Control 2 EC      | 0.039%         | 10:18D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 2 IR      | 0.039%         | 10:18D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 10:20D        |                               |                           |
| Control 3 EC      | 0.079%         | 10:21D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 3 IR      | 0.078%         | 10:21D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 10:22D        |                               |                           |
| Control 4 EC      | 0.078%         | 10:23D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 4 IR      | 0.079%         | 10:23D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 10:24D        |                               |                           |
| Control 5 EC      | 0.158%         | 10:25D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 5 IR      | 0.158%         | 10:25D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 10:27D        |                               |                           |
| Control 6 EC      | 0.158%         | 10:27D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 6 IR      | 0.158%         | 10:27D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 10:29D        |                               |                           |

All tests within acceptable tolerance.

**Coordinator**

Last Name: LUTZ

First Name: DENNIS

MI: J

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

Tpr I Lutz 7045

Badge No.: 7045

Date: 07/15/2022

# Calibrating Unit New Standard Solution Report

|                         |                        |                         |
|-------------------------|------------------------|-------------------------|
| <b>Equipment</b>        | Alcotest 7110 MKIII-C  | Serial No.: ARWJ-0018   |
| Location:               | SEASIDE HEIGHTS POLICE |                         |
| Calibration File No.:   | 02070                  | Calib. Date: 07/15/2022 |
| Certification File No.: | 02071                  | Cert. No.: 00046        |
| Linearity File No.:     | 02072                  | Cert. Date: 07/15/2022  |
| Solution File No.:      | 02073                  | Lin. No.: 00037         |
| Sequential File No.:    | 02073                  | Lin. Date: 07/15/2022   |
|                         |                        | Soln. No.: 00352        |
|                         |                        | Soln. Date: 07/15/2022  |
|                         |                        | File Date: 07/15/2022   |

|                       |        |            |       |             |              |
|-----------------------|--------|------------|-------|-------------|--------------|
| Calibrating Unit:     | WET    | Model No.: | CU-34 | Serial No.: | DDWL S3-0440 |
| Control Solution %:   | 0.100% |            |       | Expires:    | 12/28/2023   |
| Solution Control Lot: | 21480  |            |       | Bottle No.: | 0298         |

| Function          | Result<br>%BAC | Time<br>HH:MM | Temperature<br>Simulator (°C) | Comment(s)<br>or Error(s) |
|-------------------|----------------|---------------|-------------------------------|---------------------------|
| Ambient Air Blank | 0.000%         | 11:41D        |                               |                           |
| Control 1 EC      | 0.101%         | 11:41D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 1 IR      | 0.101%         | 11:41D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 11:42D        |                               |                           |
| Control 2 EC      | 0.100%         | 11:43D        | 34.0°C                        | *** TEST PASSED ***       |
| Control 2 IR      | 0.101%         | 11:43D        | 34.0°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 11:44D        |                               |                           |
| Control 3 EC      | 0.100%         | 11:44D        | 34.1°C                        | *** TEST PASSED ***       |
| Control 3 IR      | 0.101%         | 11:44D        | 34.1°C                        | *** TEST PASSED ***       |
| Ambient Air Blank | 0.000%         | 11:45D        |                               |                           |

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: DDWJP2-063 DL

**Changed By:**

Last Name: LUTZ

First Name: DENNIS

MI: J

Signature: *TPI Lutz*

7045

Badge No.: 7045

Date: 07/15/2022

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

**Coordinator:**

Tpr I Dennis J Lutz  
Name

7045  
Badge No.

**Location:**

Seaside Heights Police  
Agency

ARWT-0018  
Alcotest Serial No.

**Equipment:**

210 216 827  
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%                            | DDWE S3-0211               | 08:41 D                         | 09:43 D                     | 34.0°C                                      |
| 0.08%                            | DDXC S3-0020               | 08:41 D                         | 09:44 D                     | 34.0°C                                      |
| 0.10%                            | DDWL S3-0440               | 08:41 D                         | 09:45 D                     | 34.0°C                                      |
| 0.16%                            | DDMK S3-0008               | 08:41 D                         | 09:46 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 ± 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 [Signature] 7045  
Coordinator's Signature

7-15-22  
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:

DDWES3-0211

Certification Date:

4.5.22

Technician:

MB

Re-Certification Due Date:

4.5.23

**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:

4.5.22

Technician:

MB

Re-Certification Due Date:

4.5.23

**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:

DDMK53-0008

Certification Date:

4.5.22

Technician:

MB

Re-Certification Due Date:

4.5.23

**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:

DDEEP2-060

Certification Date:

4.1.22

Next Certification Due:

4.1.23

Probe Value:

104

Dräger, Inc.

MB



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



Cert. No.: 4000-12064543

**Traceable® Certificate of Calibration for Digital Thermometer**

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

**Instrument Identification:**

Model: 81220-601,

S/N: 210216827

Manufacturer: Control Company

**Standards/Equipment:**

| Description                  | Serial Number | Due Date    | NIST Traceable Reference |
|------------------------------|---------------|-------------|--------------------------|
| Thermistor Module            | A27129        | 01 Mar 2022 | 1000464865               |
| Temperature Calibration Bath | A45240        |             |                          |
| Temperature Calibration Bath | A73392        |             |                          |
| Temperature Calibration Bath | B01375        |             |                          |
| Temperature Probe            | 5394          | 08 Mar 2022 | C1228019                 |
| Temperature Calibration Bath | B3A444        |             |                          |
| Temperature Probe            | 5357          | 09 Jun 2021 | C0428093                 |
| Thermistor Module            | B5C344        | 06 Jun 2021 | 1000452872               |
| Thermistor Module            | B96381        | 21 Aug 2021 | 1000457544               |
| Temperature Probe            | 5392          | 04 Aug 2021 | C0804052                 |
| Temperature Probe            | 5398          | 04 Aug 2021 | C0804061                 |

**Certificate Information:**

Technician: 420

Procedure: CAL-06

Cal Date: 17 Mar 2021

Cal Due Date: 17 Mar 2023

Test Conditions: 62.18%RH 22.28°C 1006mBar

**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.     |        | 0.000   | 0.000   | Y      | -0.05  | 0.05   | 0.0087 | >4:1 |
| °C      | N.A.    | N.A.     |        | 24.999  | 25.002  | Y      | 24.949 | 25.049 | 0.0087 | >4:1 |
| °C      | N.A.    | N.A.     |        | 50.001  | 50.001  | Y      | 49.951 | 50.051 | 0.0087 | >4:1 |
| °C      | N.A.    | N.A.     |        | 100.000 | 99.999  | 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. This 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

*Marisa Elms*

Marisa Elms, 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.

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

Control Company is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1759-01.  
Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01905-2016-AQ-HOU-ANAB.  
International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).





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



Cert. No.: 4000-12064543

**Traceable® Certificate of Calibration for Digital Thermometer**

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**Recalibration:**

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

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Issue Date 17 Mar 2021

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

Control Company is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.  
Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-ANAB.  
International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).



State of New Jersey

OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
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(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, Inc.

ANALYSIS DATE: 07/07/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21210

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 0.1215 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 June 16, 2023.

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 20 day of July, 2021.
Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 60110522
My Commission Expires 8/13/2024



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State of New Jersey

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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, Inc.

ANALYSIS DATE: 07/27/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0485 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 06, 2023.

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 28 day of July, 2021.

Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 60110622
My Commission Expires 8/13/2024



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State of New Jersey

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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, Inc.

ANALYSIS DATE: 07/27/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0970 to 0.0977 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 19, 2023.

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 28 day of July, 2021.
Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 80110522
My Commission Expires 8/13/2024



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State of New Jersey

OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
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(609) 882-2000

PHILIP D. MURPHY
Governor
SHEILA Y. OLIVER
Lt. Governor

ANDREW J. BRUCK
Acting 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, Inc.

ANALYSIS DATE: 08/11/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21290

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1945 to 0.1977 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 29, 2023.

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 20 day of August, 2021.

Notary [Signature]

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 60110522
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# State of New Jersey

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*Lt. Governor*

ANDREW J. BRUCK  
*Acting 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, Inc.

ANALYSIS DATE: 01/12/2022

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21480

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1208 to 0.1227 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 December 28, 2023.

As Acting OFS Director 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  
Acting OFS Director  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 19 day of January, 2022.

Notary

KAREN E. STAHL  
NOTARY PUBLIC OF NEW JERSEY  
Commission # 50110522  
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**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 48864 48 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

10-12-16

SERIAL NUMBER

ARWJ-0018

Dräger Safety Diagnostics, Inc.

BC

**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:

DDWL 53-0440

Certification Date:

6-1-22

Technician:

MB / DH

Re-Certification Due Date:

6-1-23

**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:

DDWJ P2-063

Certification Date:

6-1-22

Next Certification Due:

6-1-23

Probe Value:

102

Draeger, Inc.

MB / DH