

## ALCOTEST 9510 PARAMETER REPORT

### Equipment

Serial No.: ARMH-0017  
Firmware: 8326739 1.5  
WinCE application: 8326738 2.9  
Configuration: 8326737 3.10

Date: 06/22/2026  
Time: 09:58:56

### Parameter

|                                           |        |             |
|-------------------------------------------|--------|-------------|
| min. blow time                            | 5.0    | s           |
| min. breath volume for females of age 60+ | 1.2    | L           |
| min. breath volume for all other          | 1.5    | L           |
| min. blow flow                            | 4.5    | L/min       |
| plateau detection limit                   | 4      | %           |
| plateau detection start conc.             | 70     | microgram/L |
| neg. flow detection (part. vacuum)        | 10.0   | hPa         |
| neg. flow detection sensitivity           | 10     |             |
| cal. gas abort volume                     | 0.4    | L           |
| result-to-zero limit                      | 0.0050 | %BAC        |
| ambient air check limit                   | 0.0049 | %BAC        |
| interference det. d-criterion limit abs.  | 38     | microgram/L |
| interference det. d-criterion limit rel.  | 10.0   | %           |
| interference det. t-criterion limit abs.  | 8      | microgram/L |
| interference det. t-criterion limit rel.  | 2.1    | %           |
| IR CO2 offset                             | 10     | microgram/L |
| IR H2O offset                             | 4      | microgram/L |
| EC H2O offset                             | 0      | microgram/L |
| Value-based EC aging comp. on/off (1/0)   | 0      |             |
| Time-based EC aging comp. on/off (1/0)    | 1      |             |
| Time-based EC aging comp. per month       | 0.2    | %           |
| Time-based EC aging comp. maximum         | 3.0    | %           |
| EC fatigue comp. max. sum                 | 15000  |             |
| EC fatigue comp. factor                   | 50     |             |
| EC fatigue comp. minutes                  | 180    |             |
| mouth alc. mark limit                     | 500    |             |
| mouth alc. lower limit                    | 30     |             |
| mouth alc. slope                          | 6      |             |
| mouth alc. zero limit                     | 50     |             |
| mouth alc. max. neg. sum                  | 6      |             |
| mouth alc. max. 2nd derivative            | 35     |             |

**ALCOTEST 9510 CERTIFICATION REPORT - WET ADJUST (PART I)**  
**Wall Township**

**Equipment**

|                  |               |             |              |        |             |
|------------------|---------------|-------------|--------------|--------|-------------|
| Inst. Model No.: | ALCOTEST 9510 | Serial No.: | ARMH-0017    |        |             |
| Firmware:        | 8326739 1.5   | Config.:    | 8326737 3.10 | WinCE: | 8326738 2.9 |

**Wet Adjust Record**

|                      |     |                  |            |                 |    |
|----------------------|-----|------------------|------------|-----------------|----|
| Wet Adjust File No.: | 917 | Wet Adjust Date: | 06/22/2026 | Wet Adjust No.: | 11 |
|                      |     | Wet Adjust Time: | 10:44:13   |                 |    |

|                   |            |                     |           |                    |            |
|-------------------|------------|---------------------|-----------|--------------------|------------|
| Concentration:    | 0.100 %    | Adj. Unit Ser. No.: | ARMN-0002 | Adj. Unit Exp.:    | 08/20/2026 |
| Adjusting Unit:   | X-Cal 2000 | Soln. Bottle No.:   | 799       | Adjust Soln. Exp.: | 06/03/2027 |
| Solution Lot No.: | 25180      |                     |           |                    |            |

|                             |                |
|-----------------------------|----------------|
| Preadjust Simulator Temp.:  | 34.00 degree C |
| Postadjust Simulator Temp.: | 34.00 degree C |

**Result**

**Procedure completed successfully.**

**Coordinator**

|                      |                    |       |                 |
|----------------------|--------------------|-------|-----------------|
| Last Name: Waldrop - | First Name: Robert | MI: W | Badge No.: 8256 |
|----------------------|--------------------|-------|-----------------|

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.

#8256

Signed:

Date: 06/22/2026

ID: 52

**ALCOTEST 9510 CERTIFICATION REPORT - DRY ADJUST (PART II)**  
**Wall Township**

**Equipment**

Inst. Model No.: ALCOTEST 9510 Serial No.: ARMH-0017  
Firmware: 8326739 1.5 Config.: 8326737 3.10 WinCE: 8326738 2.9

**Dry Adjust Record**

Dry Adjust File No.: 918 Dry Adjust Date: 06/22/2026 Dry Adjust No.: 11  
Dry Adjust Time: 11:02:36

Concentration: 0.100 %  
Dry Gas Lot No.: 302-403034217 Adjust Gas Exp.: 04/30/2027  
Barom. Model No.: Mensor CPG2300 Barom. Serial No.: 4100126Z Barom. Cert. Exp.: 09/02/2026  
Pre-adjust Amb. Pressure: 1012 hPa Post-adjust Amb. Pressure: 1013 hPa

**Result**

**Procedure completed successfully.**

**Coordinator**

Last Name: Waldrop - First Name: Robert MI: W Badge No.: 8256

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.



Signed:

Date: 06/22/2026

ID: 52

**ALCOTEST 9510 CERTIFICATION REPORT - LINEARITY (PART III)**  
**Wall Township**

**Equipment**

Inst. Model No.: ALCOTEST 9510 Serial No.: ARMH-0017  
Firmware: 8326739 1.5 Config.: 8326737 3.10 WinCE: 8326738 2.9

**Linearity Record**

Linearity File No.: 919 Lin. Date: 06/22/2026 Lin. No.: 11

|                         |               |                   |            |
|-------------------------|---------------|-------------------|------------|
| 0.040% Dry Gas Lot No.: | 302-402999655 | Adjust. Gas Exp.: | 03/20/2027 |
| 0.080% Dry Gas Lot No.: | 302-403008479 | Adjust. Gas Exp.: | 03/28/2027 |
| 0.160% Dry Gas Lot No.: | 302-402926858 | Adjust. Gas Exp.: | 12/19/2026 |
| 0.300% Dry Gas Lot No.: | 302-403055154 | Adjust. Gas Exp.: | 05/24/2027 |

**Data Summary**

| Function              | Result<br>%BAC | Time<br>hh:mm:ss | Barometric<br>Pres. [hPa] | Comment(s)<br>or Status Code |
|-----------------------|----------------|------------------|---------------------------|------------------------------|
| Ambient Air Blank     | 0.000          | 11:30:05         |                           | *TEST PASSED*                |
| Control .04 Test 1 EC | 0.040          | 11:30:43         | 1013                      | *TEST PASSED*                |
| Control .04 Test 1 IR | 0.039          | 11:30:43         | 1013                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:31:42         |                           | *TEST PASSED*                |
| Control .04 Test 2 EC | 0.040          | 11:31:58         | 1013                      | *TEST PASSED*                |
| Control .04 Test 2 IR | 0.040          | 11:31:58         | 1013                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:33:17         |                           | *TEST PASSED*                |
| Control .08 Test 3 EC | 0.079          | 11:33:53         | 1013                      | *TEST PASSED*                |
| Control .08 Test 3 IR | 0.079          | 11:33:53         | 1013                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:34:57         |                           | *TEST PASSED*                |
| Control .08 Test 4 EC | 0.080          | 11:35:12         | 1013                      | *TEST PASSED*                |
| Control .08 Test 4 IR | 0.080          | 11:35:12         | 1013                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:36:37         |                           | *TEST PASSED*                |
| Control .16 Test 5 EC | 0.158          | 11:37:12         | 1013                      | *TEST PASSED*                |
| Control .16 Test 5 IR | 0.160          | 11:37:12         | 1013                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:38:22         |                           | *TEST PASSED*                |
| Control .16 Test 6 EC | 0.161          | 11:38:34         | 1013                      | *TEST PASSED*                |
| Control .16 Test 6 IR | 0.162          | 11:38:34         | 1013                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:44:45         |                           | *TEST PASSED*                |
| Control .30 Test 7 EC | 0.301          | 11:45:22         | 1012                      | *TEST PASSED*                |
| Control .30 Test 7 IR | 0.304          | 11:45:22         | 1012                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:46:41         |                           | *TEST PASSED*                |
| Control .30 Test 8 EC | 0.306          | 11:46:54         | 1012                      | *TEST PASSED*                |
| Control .30 Test 8 IR | 0.306          | 11:46:54         | 1012                      | *TEST PASSED*                |
| Ambient Air Blank     | 0.000          | 11:47:22         |                           | *TEST PASSED*                |

**Result**

**All tests within acceptable tolerance.**

**Coordinator**

Last Name: Waldrop - First Name: Robert MI: W Badge No.: 8256

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.

*TPR [Signature] #8256*

Signed:

Date: 06/22/2026

ID: 52

**ALCOTEST 9510 CYLINDER INSTALLATION REPORT - INLET 1**  
**Wall Township**  
**SERIAL NUMBER: ARMH-0017**

**Equipment**

|                        |               |                    |              |                   |             |
|------------------------|---------------|--------------------|--------------|-------------------|-------------|
| Inst. Model No.:       | ALCOTEST 9510 | Serial No.:        | ARMH-0017    |                   |             |
| Firmware:              | 8326739 1.5   | Config.:           | 8326737 3.10 | WinCE:            | 8326738 2.9 |
| Cyl1 Install File No.: | 920           | Cyl1 Install Date: | 06/22/2026   | Cyl1 Install No.: | 9           |

**Control Tests (0.100%)**

|                     |               |                        |            |
|---------------------|---------------|------------------------|------------|
| Installation Inlet: | #1 (Upper)    | Post test active Cyl.: | #2 (Lower) |
| Dry Gas Lot No.:    | 302-403530914 | Dry Gas Lot Exp.:      | 01/12/2029 |

**Data Summary**

| Function          | Result<br>%BAC | Time<br>hh:mm:ss | Barometric<br>Pres. [hPa] | Comment(s)<br>or Status Code |
|-------------------|----------------|------------------|---------------------------|------------------------------|
| Ambient Air Blank | 0.000          | 11:58:17         |                           | *TEST PASSED*                |
| Control Test 1    |                |                  | 1012                      | *TEST PASSED*                |
| EC Result         | 0.101          | 11:59:03         |                           | *TEST PASSED*                |
| IR Result         | 0.101          | 11:59:03         |                           | *TEST PASSED*                |
| Ambient Air Blank | 0.000          | 12:00:11         |                           | *TEST PASSED*                |
| Control Test 2    |                |                  | 1012                      | *TEST PASSED*                |
| EC Result         | 0.102          | 12:00:36         |                           | *TEST PASSED*                |
| IR Result         | 0.102          | 12:00:36         |                           | *TEST PASSED*                |
| Ambient Air Blank | 0.000          | 12:01:46         |                           | *TEST PASSED*                |
| Control Test 3    |                |                  | 1012                      | *TEST PASSED*                |
| EC Result         | 0.102          | 12:02:10         |                           | *TEST PASSED*                |
| IR Result         | 0.102          | 12:02:10         |                           | *TEST PASSED*                |
| Ambient Air Blank | 0.000          | 12:02:37         |                           | *TEST PASSED*                |

**Result**

**All tests within acceptable tolerance.**

**Coordinator**

|                      |                    |       |                 |
|----------------------|--------------------|-------|-----------------|
| Last Name: Waldrop - | First Name: Robert | MI: W | Badge No.: 8256 |
|----------------------|--------------------|-------|-----------------|

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.

*TPR II [Signature] #8256*

Signed:

Date: 06/22/2026

ID: 52

**ALCOTEST 9510 CYLINDER INSTALLATION REPORT - INLET 2**  
**Wall Township**  
**SERIAL NUMBER: ARMH-0017**

**Equipment**

|                        |               |                    |              |                   |             |
|------------------------|---------------|--------------------|--------------|-------------------|-------------|
| Inst. Model No.:       | ALCOTEST 9510 | Serial No.:        | ARMH-0017    |                   |             |
| Firmware:              | 8326739 1.5   | Config.:           | 8326737 3.10 | WinCE:            | 8326738 2.9 |
| Cyl2 Install File No.: | 847           | Cyl2 Install Date: | 03/27/2026   | Cyl2 Install No.: | 6           |

**Control Tests (0.100%)**

|                     |               |                        |            |
|---------------------|---------------|------------------------|------------|
| Installation Inlet: | #2 (Lower)    | Post test active Cyl.: | #1 (Upper) |
| Dry Gas Lot No.:    | 302-403449292 | Dry Gas Lot Exp.:      | 09/20/2028 |

**Data Summary**

| Function          | Result<br>%BAC | Time<br>hh:mm:ss | Barometric<br>Pres. [hPa] | Comment(s)<br>or Status Code |
|-------------------|----------------|------------------|---------------------------|------------------------------|
| Ambient Air Blank | 0.000          | 13:21:42         |                           | *TEST PASSED*                |
| Control Test 1    |                |                  | 1014                      | *TEST PASSED*                |
| EC Result         | 0.101          | 13:22:31         |                           | *TEST PASSED*                |
| IR Result         | 0.100          | 13:22:31         |                           | *TEST PASSED*                |
| Ambient Air Blank | 0.000          | 13:23:39         |                           | *TEST PASSED*                |
| Control Test 2    |                |                  | 1014                      | *TEST PASSED*                |
| EC Result         | 0.101          | 13:24:06         |                           | *TEST PASSED*                |
| IR Result         | 0.100          | 13:24:06         |                           | *TEST PASSED*                |
| Ambient Air Blank | 0.000          | 13:25:13         |                           | *TEST PASSED*                |
| Control Test 3    |                |                  | 1014                      | *TEST PASSED*                |
| EC Result         | 0.101          | 13:25:40         |                           | *TEST PASSED*                |
| IR Result         | 0.100          | 13:25:40         |                           | *TEST PASSED*                |
| Ambient Air Blank | 0.000          | 13:26:06         |                           | *TEST PASSED*                |

**Result**

**All tests within acceptable tolerance.**

**Coordinator**

Last Name: Fillimon -

First Name: James

MI: G    Badge No.: 8306

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.

*Tp James Fillimon #8766*

Signed:

Date: 03/27/2026

ID: 2673

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4401036

**DRAEGER MEDICAL SYSTEMS INC**

Sales order: 1145361076

Date: January 16, 2026

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer

ANALYTICAL ACCURACY:  $\pm 0.002$  BrAC or  $\pm 2\%$  whichever is greater.

CALGAZ LOT#: 302-403530914

Manufactured Date: January 12, 2026

ETHANOL IN NITROGEN

Product Expiration: January 12, 2029

| COMPONENT                | PPM      | ( BrAC ) |
|--------------------------|----------|----------|
| ETHANOL                  | 260.5PPM | (0.100)  |
| NITROGEN                 | BAL      |          |
| AVERAGE ANALYTICAL VALUE | PPM      | ( BrAC ) |
| ETHANOL                  | 263.9    | (0.101)  |

| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
|-----------------------------|----------|-------------------|
| N.M.I. TRACEABLE STANDARDS* | ND49826  | 260.1             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.  
Traceable certificate numbers 3445312 and 3398673.

### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

APPROVED BY: 

"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**

821 Chesapeake Drive, Cambridge, MD 21613-0149

Phone: (410) 228-6400

Fax: (410) 228-4251

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4401036

DRAEGER MEDICAL SYSTEMS INC

Sales order: 1142740320

Date: September 22, 2025

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer

ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.

CALGAZ LOT#: 302-403449292

Manufactured Date: September 20, 2025

ETHANOL IN NITROGEN

Product Expiration: September 20, 2028

| COMPONENT                | PPM      | ( BrAC ) |
|--------------------------|----------|----------|
| ETHANOL                  | 260.5PPM | (0.100)  |
| NITROGEN                 | BAL      |          |
| AVERAGE ANALYTICAL VALUE | PPM      | ( BrAC ) |
| ETHANOL                  | 260.8    | (0.100)  |

| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
|-----------------------------|----------|-------------------|
| N.M.I. TRACEABLE STANDARDS* | ND49826  | 260.1             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.  
Traceable certificate numbers 3445312 and 3398673.

#### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

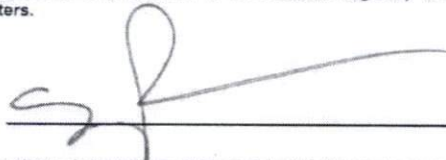
Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

APPROVED BY:



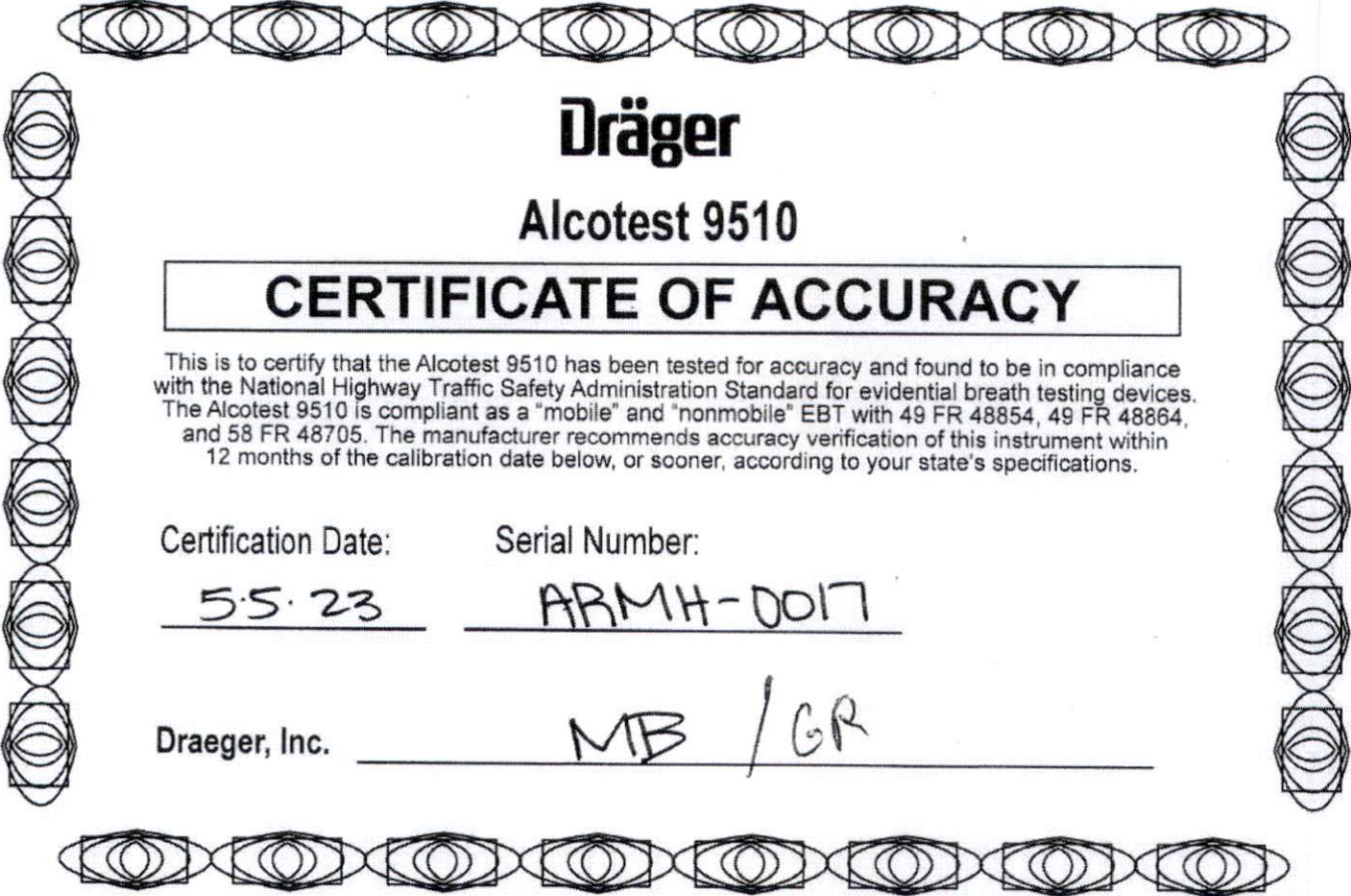
"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**

821 Chesapeake Drive, Cambridge, MD 21613-0149

Phone: (410) 228-6400

Fax: (410) 228-4251



# Dräger

## Alcotest 9510

### CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 9510 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 9510 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:

5.5.23

ARMH-0017

Draeger, Inc.

MB / GR



## 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

TAHESHA L. WAY  
Lt. Governor

MATTHEW J. PLATKIN  
Attorney General

COLONEL PATRICK J. CALLAHAN  
Superintendent

### **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.

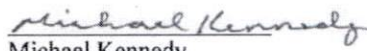
**ANALYSIS DATE:** 06/17/2025

**BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER:** 25180

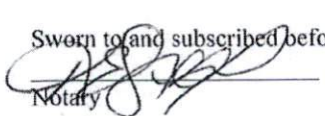
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1211 to 0.1221 grams per 100 milliliters of solution.

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 03, 2027.

As 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  
Director  
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 26 day of June, 2025.

  
Notary



"An Internationally Accredited Agency"

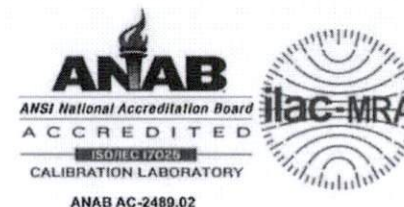
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# CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-460-1 Revision 0

Manufacturer: Drager Safety AG & Co. KGaA  
Model Number: X-Cal 2000  
Description: Breath Alcohol Simulator  
Serial Number: ARMN-0002  
ID: NONE

As-Found: In Tolerance  
As-Left: In Tolerance

Issue Date: Aug 20, 2025  
Calibration Date: Aug 20, 2025  
Due Date: Aug 20, 2026

Calibrated To: Manufacturer Specification  
Calibration Procedure: 1-AC103519-2

Transcat Calibration Laboratories have been audited and found in compliance with ISO/IEC 17025:2017. Accredited calibrations performed within the Lab Scope of Accreditation are indicated by the presence of the Accrediting Body Logo and Certificate Number. Any measurements on an accredited calibration not covered by the Lab Scope of Accreditation are listed in the notes section of the certificate. SCC, NRC, CLAS or ANAB do not guarantee the accuracy of an individual calibration by accredited laboratories.

Transcat calibrations, as applicable, are performed in compliance with the requirements of the Transcat Quality Manual QAC-P01-000, the customer Purchase Order and/or Quality Agreement requirements, ISO 9001:2015, ANSI/NCSL Z540.1-1994 (R2002), and ISO 10012:2003, as applicable. When specified contractually, the requirements of ISO TS16949:2009, 10CFR21, 10CFR50 App. B, ASME NQA-1:2012, and ANSI/NCSL Z540.3-2006 (R2013) are also covered.

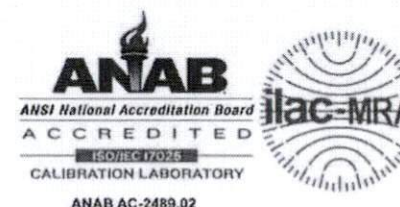
Complete records of work performed are maintained by Transcat and are available for inspection. Laboratory standards used in the performance of this calibration are listed on this certificate.

Transcat documents the traceability of measurements to the SI units through the National Institute of Standards and Technology (NIST), or the National Research Council of Canada (NRC), or other national measurement institutes (NMI) that are signatories to the CIPM Mutual Recognition Arrangement, or accepted fundamental and/or natural physical constants, or by the use of specified methods, consensus standards or ratio type measurements. Documentation supporting traceability information is available for review upon written request at a Transcat facility. The measured quantity and the measurement uncertainty are required for further dissemination of traceability.

Uncertainties are reported with a coverage factor  $k=2$ , providing a level of confidence of approximately 95%. All calibrations have been performed using processes having a TUR of 4:1 or better (3:1 for mass calibrations), unless otherwise noted. The Test Uncertainty Ratio (TUR) is calculated in accordance with NCSL International RP-18. For mass calibrations: Conventional mass referenced to 8.0 g/cm<sup>3</sup>.

The results in this report relate only to the item calibrated or tested. Recorded calibration data is valid at the time of calibration within the stated uncertainties at the environmental conditions noted. The determination of compliance to the specification is specific to the model/serial no./ID no. referenced above based on the tolerances shown; these tolerances are either the original equipment manufacturers (OEM's) warranted specifications or the client's requested specifications. Any number of factors can cause a unit to drift out of tolerance at any time following its calibration. Limitations on the uses of this instrument are detailed in the OEM's operating instructions. This certificate may not be reproduced except in full, without the written approval of Transcat. Additional information, if applicable may be included on separate report(s).

Customer: DRAEGER INC  
 7256 S SAM HOUSTON PKWY W  
 STE 100  
 HOUSTON, TX 77085  
 PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-460-1 Revision 0

As Found/As Left Data

| Description                               | Setpoints | Accuracy    | Low Limit | High Limit | As Found / As Left | O<br>O<br>T | Cal Process<br>Uncertainty<br>(k=2; ±) | Measurement<br>Uncertainty<br>(k=2; ±) | Units | TUR     |
|-------------------------------------------|-----------|-------------|-----------|------------|--------------------|-------------|----------------------------------------|----------------------------------------|-------|---------|
| <b>Function Checks</b>                    |           |             |           |            |                    |             |                                        |                                        |       |         |
| Bubble Check                              |           |             | P         | P          | P                  |             |                                        |                                        |       |         |
| Seal Check                                |           |             | P         | P          | P                  |             |                                        |                                        |       |         |
| <b>Temperature Source: Accuracy Test</b>  |           |             |           |            |                    |             |                                        |                                        |       |         |
| Accuracy Test                             | 34.00°C   | ±( 0.02 °C) | 33.98     | 34.02      | 34.01 °C           |             | 1.5e-002                               | 1.6e-002                               | °C    | 1.3 : 1 |
| <b>Temperature Source: Stability Test</b> |           |             |           |            |                    |             |                                        |                                        |       |         |
| Stability Test                            | 0.00°C    | ±( 0.02 °C) | -0.02     | 0.02       | 0.00 °C            |             | 1.5e-002                               | 1.6e-002                               | °C    | 1.3 : 1 |

Field not applicable.

Traceable Standards

| Asset    | Manufacturer          | Model Number | Description       | Cal Date  | Due Date  | Traceability Number | Use   |
|----------|-----------------------|--------------|-------------------|-----------|-----------|---------------------|-------|
| 05H1479  | AccuMac Corporation   | AM1760-12-S  | Secondary SPRT    | 12-Aug-24 | 31-Aug-25 | H32XM-4-1           | AF/AL |
| HP927312 | Hart Scientific/Fluke | 1575         | Super Thermometer | 10-Jul-24 | 31-Jan-26 | 5-8HP927312-9-1     | AF/AL |

The use of the standard is defined as: AF - used for as-found readings, AL - used for as-left readings.

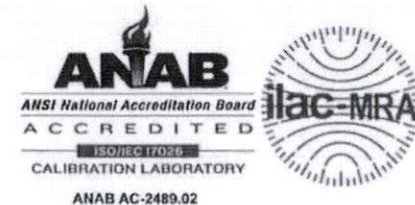
Environmental Data

| Temperature      | Relative Humidity | Temp / RH Asset | Lab Area | Lab Description |
|------------------|-------------------|-----------------|----------|-----------------|
| 70.70°F /21.50°C | 55.90%            | DewK11          | G        | Temperature     |

Decision Rule

When compliance statements are present, they are reported without factoring in the effects of uncertainty and comply with the guidelines as follows : The acceptance zone is defined as: less than or equal to the high limit, and/or greater than or equal to the low limit. The rejection zones are defined as greater than the high limit and/or less than the low limit. Single measurement results in the acceptance zone

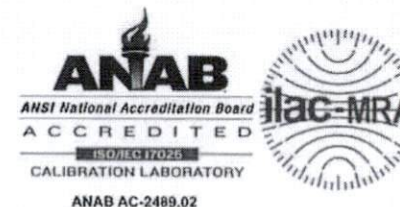
Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-460-1 Revision 0

are identified as in-tolerance. Single measurement results in the rejection zone are identified as out-of-tolerance (OOT). When all measurement results are in the acceptance zone for repeated measurements, for the same characteristic, the test is identified as in-tolerance. For repeated characteristic measurements, a single measurement result in the rejection zone, will cause the test to be identified as out-of-tolerance (OOT). Data rejection for cause, (outliers) is permitted after the "Determining and Verifying Out Of Tolerance (OOT) and/or Op Fail Readings" procedure outlined in this document has been completed and the anomalous reading cannot be repeated, and the anomalous reading does not represent the system under test. Statements of conformity are binary.

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-460-1 Revision 0

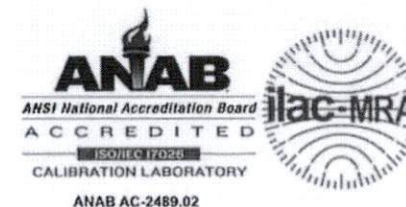
### Legend

| Topic                         | Description                                                                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy                      | UUT specification that establishes expected tolerances and a time limit (calibration interval) over which the instrument is expected to hold these tolerances                                |
| As Found                      | Initial measurement results                                                                                                                                                                  |
| As Left                       | Measurement results after adjustment and/or repair                                                                                                                                           |
| Blank Data Field              | Test is not applicable for the UUT                                                                                                                                                           |
| Cal Process Uncertainty (CPU) | The uncertainty of calibration process for the reported measurement result                                                                                                                   |
| Calibration Date              | Indicates the date that the calibration was completed                                                                                                                                        |
| Cover Factor (k)              | A measure of uncertainty that defines an interval about the measurement result                                                                                                               |
| Due Date                      | Indicates the end of the calibration cycle as requested by the customer                                                                                                                      |
| Issue Date                    | Indicates the date that the calibration has passed the Data Review Process and was signed by an authorized signatory or the date that a revision to the original certificate has been issued |
| Low / High Limits             | Establishes UUT acceptable performance limits for the test measurement                                                                                                                       |
| Measurement Uncertainty       | The dispersion of the values attributed to a measured quantity                                                                                                                               |
| OOA                           | Out of Acceptance (#)                                                                                                                                                                        |
| OOT                           | Out of Tolerance (*)                                                                                                                                                                         |
| Setpoints                     | Measurement target values                                                                                                                                                                    |
| Traceability                  | Unbroken chain of comparisons relating an instrument's measurements to a known standard(s)                                                                                                   |
| Traceability Number           | Unique identifier(s) used to document traceability of calibration standards                                                                                                                  |
| TUR                           | Test Uncertainty Ratio, ratio of the tolerance or specification of the test measurement in relation to the uncertainty in measurement results                                                |
| UUT                           | Unit Under test                                                                                                                                                                              |



# CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-460-1 Revision 0

Calibrated At:  
16115 Park Row  
Houston, TX 77084

Facility Responsible:  
16115 Park Row  
Houston, TX 77084  
800-828-1470

Calibrated By:  
 Electronically Signed By:  
Jose Martinez

Reviewed By:  
 Electronically Signed By:  
Luis Arau for

Jose Martinez Aug 20, 2025  
Calibration Technician 08:12:35 -04:00

Josh Solleau Aug 20, 2025  
Lab Manager 13:57:48 -04:00

Unit Barcode:



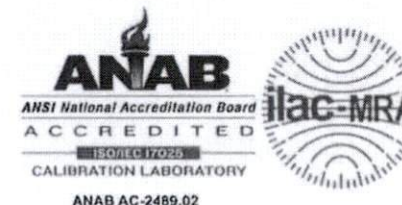
0900B541796

Date Received: August 08, 2025  
Service Level: R9

Certificate - Page 5 of 5  
Reprinted on August 25, 2025

Customer Number: 1-659111-000  
OPS-F20-014R11 07/27/23 FP001R9 4/9/2021

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-180-1 Revision 0

Manufacturer: Wika Instr/Mensor Corp/Trend  
Model Number: CPG2300  
Description: Portable Barometer  
Serial Number: 4100126Z  
ID: NONE

As-Found: Out Of Tolerance  
As-Left: In Tolerance

Issue Date: Sep 03, 2025  
Calibration Date: Sep 02, 2025  
Due Date: Sep 02, 2026

Calibrated To: Manufacturer Specification  
Calibration Procedure: 1-AC107288-0

Transcat Calibration Laboratories have been audited and found in compliance with ISO /IEC 17025:2017. Accredited calibrations performed within the Lab Scope of Accreditation are indicated by the presence of the Accrediting Body Logo and Certificate Number. Any measurements on an accredited calibration not covered by the Lab Scope of Accreditation are listed in the notes section of the certificate. SCC, NRC, CLAS or ANAB do not guarantee the accuracy of an individual calibration by accredited laboratories.

Transcat calibrations, as applicable, are performed in compliance with the requirements of the Transcat Quality Manual QAC -P01-000, the customer Purchase Order and/or Quality Agreement requirements, ISO 9001:2015, ANSI/NCSL Z540.1-1994 (R2002), and ISO 10012:2003, as applicable. When specified contractually, the requirements of ISO TS16949:2009, 10CFR21, 10CFR50 App. B, ASME NQA-1:2012, and ANSI/NCSL Z540.3-2006 (R2013) are also covered.

Complete records of work performed are maintained by Transcat and are available for inspection. Laboratory standards used in the performance of this calibration are listed on this certificate.

Transcat documents the traceability of measurements to the SI units through the National Institute of Standards and Technology (NIST), or the National Research Council of Canada (NRC), or other national measurement institutes (NMI) that are signatories to the CIPM Mutual Recognition Arrangement, or accepted fundamental and/or natural physical constants, or by the use of specified methods, consensus standards or ratio type measurements. Documentation supporting traceability information is available for review upon written request at a Transcat facility. The measured quantity and the measurement uncertainty are required for further dissemination of traceability.

Uncertainties are reported with a coverage factor  $k=2$ , providing a level of confidence of approximately 95%. All calibrations have been performed using processes having a TUR of 4:1 or better (3:1 for mass calibrations), unless otherwise noted. The Test Uncertainty Ratio (TUR) is calculated in accordance with NCSL International RP-18. For mass calibrations: Conventional mass referenced to 8.0 g/cm<sup>3</sup>.

The results in this report relate only to the item calibrated or tested. Recorded calibration data is valid at the time of calibration within the stated uncertainties at the environmental conditions noted. The determination of compliance to the specification is specific to the model/serial no./ID no. referenced above based on the tolerances shown; these tolerances are either the original equipment manufacturers (OEM's) warranted specifications or the client's requested specifications. Any number of factors can cause a unit to drift out of tolerance at any time following its calibration. Limitations on the uses of this instrument are detailed in the OEM's operating instructions. This certificate may not be reproduced except in full, without the written approval of Transcat. Additional information, if applicable may be included on separate report(s).

**Notes:**

Unit received out of tolerance. Adjustments were made to meet customer specs.

The OOT readings were verified.

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77065  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-180-1 Revision 0

## As Found Data

| Description                              | Setpoints   | Accuracy     | Low Limit | High Limit | As Found     | O<br>T | Cal Process<br>Uncertainty<br>(k=2; ±) | Measurement<br>Uncertainty<br>(k=2; ±) | Units | TUR      |
|------------------------------------------|-------------|--------------|-----------|------------|--------------|--------|----------------------------------------|----------------------------------------|-------|----------|
| Pressure Measure: 552 to1172 mbara Range |             |              |           |            |              |        |                                        |                                        |       |          |
|                                          | 550.07mbara | ±(0.015% FS) | 549.89    | 550.25     | 549.50 mbara | *      | 1.0e-002                               | 1.2e-002                               | mbara | 17.2 : 1 |
|                                          | 610.01mbara | ±(0.015% FS) | 609.83    | 610.19     | 609.50 mbara | *      | 1.2e-002                               | 1.3e-002                               | mbara | 15.5 : 1 |
|                                          | 680.37mbara | ±(0.015% FS) | 680.19    | 680.55     | 679.90 mbara | *      | 1.3e-002                               | 1.4e-002                               | mbara | 13.9 : 1 |
|                                          | 734.28mbara | ±(0.015% FS) | 734.10    | 734.46     | 733.80 mbara | *      | 1.4e-002                               | 1.5e-002                               | mbara | 12.9 : 1 |
|                                          | 804.64mbara | ±(0.015% FS) | 804.46    | 804.82     | 804.10 mbara | *      | 1.5e-002                               | 1.6e-002                               | mbara | 11.8 : 1 |
|                                          | 864.92mbara | ±(0.015% FS) | 864.74    | 865.10     | 864.40 mbara | *      | 1.6e-002                               | 1.7e-002                               | mbara | 11.0 : 1 |
|                                          | 924.92mbara | ±(0.015% FS) | 924.74    | 925.10     | 924.40 mbara | *      | 1.8e-002                               | 1.8e-002                               | mbara | 10.2 : 1 |
|                                          | 985.22mbara | ±(0.015% FS) | 985.04    | 985.40     | 984.70 mbara | *      | 1.9e-002                               | 2.0e-002                               | mbara | 9.6 : 1  |
|                                          | 1043.8mbara | ±(0.015% FS) | 1043.6    | 1044.0     | 1043.4 mbara | *      | 2.0e-002                               | 6.1e-002                               | mbara | 10.1 : 1 |
|                                          | 1114.2mbara | ±(0.015% FS) | 1114.0    | 1114.4     | 1113.7 mbara | *      | 2.1e-002                               | 6.1e-002                               | mbara | 9.4 : 1  |
|                                          | 1174.6mbara | ±(0.015% FS) | 1174.4    | 1174.8     | 1174.1 mbara | *      | 2.2e-002                               | 6.2e-002                               | mbara | 9.0 : 1  |
|                                          | 924.92mbara | ±(0.015% FS) | 924.74    | 925.10     | 924.40 mbara | *      | 1.8e-002                               | 1.8e-002                               | mbara | 10.2 : 1 |
|                                          | 864.92mbara | ±(0.015% FS) | 864.74    | 865.10     | 864.40 mbara | *      | 1.6e-002                               | 1.7e-002                               | mbara | 11.0 : 1 |
|                                          | 804.64mbara | ±(0.015% FS) | 804.46    | 804.82     | 804.10 mbara | *      | 1.5e-002                               | 1.6e-002                               | mbara | 11.8 : 1 |

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-180-1 Revision 0

## As Left Data

| Description                               | Setpoints   | Accuracy     | Low Limit | High Limit | As Left      | O<br>T | Cal Process<br>Uncertainty<br>(k=2; ±) | Measurement |                         | Units | TUR      |
|-------------------------------------------|-------------|--------------|-----------|------------|--------------|--------|----------------------------------------|-------------|-------------------------|-------|----------|
|                                           |             |              |           |            |              |        |                                        | O           | Uncertainty<br>(k=2; ±) |       |          |
| Pressure Measure: 552 to 1172 mbara Range |             |              |           |            |              |        |                                        |             |                         |       |          |
|                                           | 550.07mbara | ±(0.015% FS) | 549.89    | 550.25     | 550.00 mbara |        | 1.0e-002                               |             | 1.2e-002                | mbara | 17.2 : 1 |
|                                           | 610.01mbara | ±(0.015% FS) | 609.83    | 610.19     | 609.90 mbara |        | 1.2e-002                               |             | 1.3e-002                | mbara | 15.5 : 1 |
|                                           | 680.37mbara | ±(0.015% FS) | 680.19    | 680.55     | 680.30 mbara |        | 1.3e-002                               |             | 1.4e-002                | mbara | 13.9 : 1 |
|                                           | 734.27mbara | ±(0.015% FS) | 734.09    | 734.45     | 734.20 mbara |        | 1.4e-002                               |             | 1.5e-002                | mbara | 12.9 : 1 |
|                                           | 804.64mbara | ±(0.015% FS) | 804.46    | 804.82     | 804.60 mbara |        | 1.5e-002                               |             | 1.6e-002                | mbara | 11.8 : 1 |
|                                           | 864.91mbara | ±(0.015% FS) | 864.73    | 865.09     | 864.90 mbara |        | 1.6e-002                               |             | 1.7e-002                | mbara | 11.0 : 1 |
|                                           | 924.91mbara | ±(0.015% FS) | 924.73    | 925.09     | 924.90 mbara |        | 1.8e-002                               |             | 1.8e-002                | mbara | 10.2 : 1 |
|                                           | 985.21mbara | ±(0.015% FS) | 985.03    | 985.39     | 985.20 mbara |        | 1.9e-002                               |             | 2.0e-002                | mbara | 9.6 : 1  |
|                                           | 1043.8mbara | ±(0.015% FS) | 1043.6    | 1044.0     | 1043.9 mbara |        | 2.0e-002                               |             | 6.1e-002                | mbara | 10.1 : 1 |
|                                           | 1114.2mbara | ±(0.015% FS) | 1114.0    | 1114.4     | 1114.2 mbara |        | 2.1e-002                               |             | 6.1e-002                | mbara | 9.4 : 1  |
|                                           | 1174.6mbara | ±(0.015% FS) | 1174.4    | 1174.8     | 1174.6 mbara |        | 2.2e-002                               |             | 6.2e-002                | mbara | 9.0 : 1  |
|                                           | 924.91mbara | ±(0.015% FS) | 924.73    | 925.09     | 924.90 mbara |        | 1.8e-002                               |             | 1.8e-002                | mbara | 10.2 : 1 |
|                                           | 864.91mbara | ±(0.015% FS) | 864.73    | 865.09     | 864.90 mbara |        | 1.6e-002                               |             | 1.7e-002                | mbara | 11.0 : 1 |
|                                           | 804.63mbara | ±(0.015% FS) | 804.45    | 804.81     | 804.60 mbara |        | 1.5e-002                               |             | 1.6e-002                | mbara | 11.8 : 1 |

Field not applicable.

## Traceable Standards

| Asset    | Manufacturer         | Model Number       | Description                | Cal Date  | Due Date  | Traceability Number | Use   |
|----------|----------------------|--------------------|----------------------------|-----------|-----------|---------------------|-------|
| DW11BA   | Fluke/DH Instruments | PG7601             | Piston Gauge               | 31-Jul-25 | 31-Jul-26 | 5-SDW11BA-20-1      | AF/AL |
| DW11CA   | Fluke/DH Instruments | MS-AMH-38          | AMH Mass Set               | 5-Jun-25  | 30-Sep-25 | 5-8DW11CA-40-1      | AF/AL |
| DW11LOW  | Fluke/DH Instruments | PC-7100/7600-10-TC | Gas Piston-Cylinder Module | 8-Apr-22  | 30-Apr-27 | 5-8DW11LOW-3-1      | AF/AL |
| DW11MASS | Fluke/DH Instruments | MS-AMH-38          | AMH Mass Set               | 5-Mar-25  | 31-Mar-26 | 5-8DW11MASS-12-1    | AF/AL |

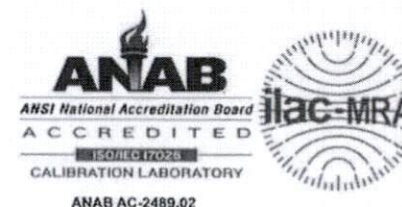
The use of the standard is defined as: AF - used for as-found readings, AL - used for as-left readings.

Date Received: August 08, 2025  
Service Level: R9

Certificate - Page 3 of 6  
Reprinted on September 04, 2025

Customer Number: 1-659111-000  
OPS-F20-014R11 07/27/23 FP001R9 4/9/2021

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-180-1 Revision 0

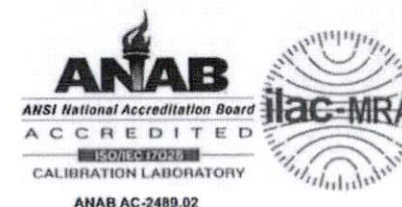
**Environmental Data**

|           | Temperature       | Relative Humidity | Temp / RH Asset | Lab Area | Lab Description |
|-----------|-------------------|-------------------|-----------------|----------|-----------------|
| As Found: | 67.71°F / 19.84°C | 53.00%            | DewK10          | B        | GP Pressure     |
| As Left:  | 68.86°F / 20.48°C | 53.20%            | DewK10          | B        | GP Pressure     |

**Decision Rule**

When compliance statements are present, they are reported without factoring in the effects of uncertainty and comply with the guidelines as follows : The acceptance zone is defined as: less than or equal to the high limit, and/or greater than or equal to the low limit. The rejection zones are defined as greater than the high limit and/or less than the low limit. Single measurement results in the acceptance zone are identified as in-tolerance. Single measurement results in the rejection zone are identified as out-of-tolerance (OOT). When all measurement results are in the acceptance zone for repeated measurements, for the same characteristic, the test is identified as in-tolerance. For repeated characteristic measurements, a single measurement result in the rejection zone, will cause the test to be identified as out-of-tolerance (OOT). Data rejection for cause, (outliers) is permitted after the "Determining and Verifying Out Of Tolerance (OOT) and/or Op Fail Readings" procedure outlined in this document has been completed and the anomalous reading cannot be repeated, and the anomalous reading does not represent the system under test. Statements of conformity are binary.

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862

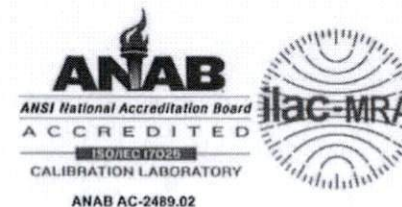


Certificate/SO Number: 5-F8B2G-180-1 Revision 0

### Legend

| Topic                         | Description                                                                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy                      | UUT specification that establishes expected tolerances and a time limit (calibration interval) over which the instrument is expected to hold these tolerances                                |
| As Found                      | Initial measurement results                                                                                                                                                                  |
| As Left                       | Measurement results after adjustment and/or repair                                                                                                                                           |
| Blank Data Field              | Test is not applicable for the UUT                                                                                                                                                           |
| Cal Process Uncertainty (CPU) | The uncertainty of calibration process for the reported measurement result                                                                                                                   |
| Calibration Date              | Indicates the date that the calibration was completed                                                                                                                                        |
| Cover Factor (k)              | A measure of uncertainty that defines an interval about the measurement result                                                                                                               |
| Due Date                      | Indicates the end of the calibration cycle as requested by the customer                                                                                                                      |
| Issue Date                    | Indicates the date that the calibration has passed the Data Review Process and was signed by an authorized signatory or the date that a revision to the original certificate has been issued |
| Low / High Limits             | Establishes UUT acceptable performance limits for the test measurement                                                                                                                       |
| Measurement Uncertainty       | The dispersion of the values attributed to a measured quantity                                                                                                                               |
| OOA                           | Out of Acceptance (#)                                                                                                                                                                        |
| OOT                           | Out of Tolerance (*)                                                                                                                                                                         |
| Setpoints                     | Measurement target values                                                                                                                                                                    |
| Traceability                  | Unbroken chain of comparisons relating an instrument's measurements to a known standard(s)                                                                                                   |
| Traceability Number           | Unique identifier(s) used to document traceability of calibration standards                                                                                                                  |
| TUR                           | Test Uncertainty Ratio, ratio of the tolerance or specification of the test measurement in relation to the uncertainty in measurement results                                                |
| UUT                           | Unit Under test                                                                                                                                                                              |

Customer: DRAEGER INC  
7256 S SAM HOUSTON PKWY W  
STE 100  
HOUSTON, TX 77085  
PO Number: SUC4303700862



Certificate/SO Number: 5-F8B2G-180-1 Revision 0

Calibrated At:  
16115 Park Row  
Houston, TX 77084

Facility Responsible:  
16115 Park Row  
Houston, TX 77084  
800-828-1470

Unit Barcode:



0900B498608

Date Received: August 08, 2025  
Service Level: R9

Certificate - Page 6 of 6  
Reprinted on September 04, 2025

Calibrated By:

 Electronically Signed By:  
Alex Spilker

Alex Spilker Sep 02, 2025  
Calibration Technician 19:35:33 -04:00

Reviewed By:

 Electronically Signed By:  
Graham Walker for

Josh Soileau Sep 03, 2025  
Lab Manager 05:54:08 -04:00

Customer Number: 1-659111-000  
OPS-F20-014R11 07/27/23 FP001R9 4/8/2021

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4401036  
DRAEGER MEDICAL SYSTEMS INC

Sales order: 1130434779  
Date: May 23, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer

ANALYTICAL ACCURACY:  $\pm 0.002$  BrAC or  $\pm 2\%$  whichever is greater.

CALGAZ LOT#: 302-403034217

ETHANOL IN NITROGEN

Manufactured Date: April 30, 2024

Product Expiration: April 30, 2027

| COMPONENT                   | PPM      | ( BrAC )          |
|-----------------------------|----------|-------------------|
| ETHANOL                     | 260.5PPM | (0.100)           |
| NITROGEN                    | BAL      |                   |
| AVERAGE ANALYTICAL VALUE    | PPM      | ( BrAC )          |
| ETHANOL                     | 262.3    | (0.101)           |
| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
| N.M.I. TRACEABLE STANDARDS* | ND38424  | 260.7             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.

Traceable certificate numbers 3445312 and 3398673.

#### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

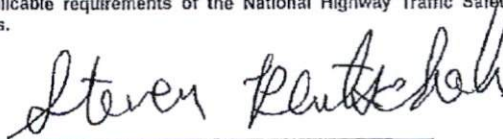
Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

APPROVED BY:



"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**  
821 Chesapeake Drive, Cambridge, MD 21613-0149  
Phone: (410) 228-6400 Fax: (410) 228-4251

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4507062

DRAEGER MEDICAL SYSTEMS INC

Sales order: 1130434779

Date: May 22, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer

ANALYTICAL ACCURACY:  $\pm 0.002$  BrAC or  $\pm 2\%$  whichever is greater.

CALGAZ LOT#: 302-402999655

Manufactured Date: March 20, 2024

ETHANOL IN NITROGEN

Product Expiration: March 20, 2027

| COMPONENT                   | PPM      | ( BrAC )          |
|-----------------------------|----------|-------------------|
| ETHANOL                     | 104.2PPM | (0.040)           |
| NITROGEN                    | BAL      |                   |
| AVERAGE ANALYTICAL VALUE    | PPM      | ( BrAC )          |
| ETHANOL                     | 107.9    | (0.041)           |
| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
| N.M.I. TRACEABLE STANDARDS* | ND28529  | 103.7             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.

Traceable certificate numbers 3445312 and 3398673.

### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

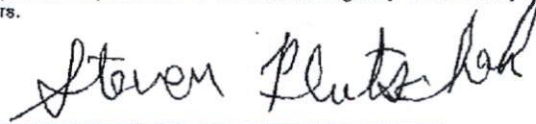
Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

APPROVED BY:



"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**

821 Chesapeake Drive, Cambridge, MD 21613-0149

Phone: (410) 228-6400

Fax: (410) 228-4251

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4401032  
DRAEGER MEDICAL SYSTEMS INC

Sales order: 1129327791  
Date: April 10, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer  
ANALYTICAL ACCURACY:  $\pm 0.002$  BrAC or  $\pm 2\%$  whichever is greater.  
CALGAZ LOT#: 302-403008479  
ETHANOL IN NITROGEN

Product Expiration: March 28, 2027

| COMPONENT                | PPM      | ( BrAC ) |
|--------------------------|----------|----------|
| ETHANOL                  | 208.4PPM | (0.080)  |
| NITROGEN                 | BAL      |          |
| AVERAGE ANALYTICAL VALUE | PPM      | ( BrAC ) |
| ETHANOL                  | 211.4    | (0.081)  |

| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
|-----------------------------|----------|-------------------|
| N.M.I. TRACEABLE STANDARDS* | ND28529  | 103.7             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.

Traceable certificate numbers 3445312 and 3398673.

#### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

Manufactured Date: March 28, 2024

APPROVED BY: 

"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**  
821 Chesapeake Drive, Cambridge, MD 21613-0149  
Phone: (410) 228-6400 Fax: (410) 228-4251

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4401040NJ  
DRAEGER MEDICAL SYSTEMS INC

Sales order: 1128582210  
Date: March 18, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer  
ANALYTICAL ACCURACY:  $\pm 0.002$  BrAC or  $\pm 2\%$  whichever is greater.  
CALGAZ LOT#: 302-402926858  
ETHANOL IN NITROGEN

Product Expiration: December 19, 2026

| COMPONENT                | PPM      | ( BrAC ) |
|--------------------------|----------|----------|
| ETHANOL                  | 416.8PPM | (0.160)  |
| NITROGEN                 | BAL      |          |
| AVERAGE ANALYTICAL VALUE | PPM      | ( BrAC ) |
| ETHANOL                  | 419.3    | (0.161)  |

| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
|-----------------------------|----------|-------------------|
| N.M.I. TRACEABLE STANDARDS* | ND38424  | 260.7             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.

Traceable certificate numbers 3445312 and 3398673.

### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

Certification Numbers: A679-20190918, D049803-20220329

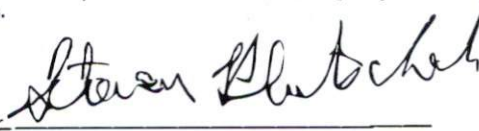
No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

Manufactured Date: December 19, 2023

APPROVED BY:



"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**  
821 Chesapeake Drive, Cambridge, MD 21613-0149  
Phone: (410) 228-6400 Fax: (410) 228-4251

# CERTIFICATE OF ANALYSIS

## EBS - ETHANOL BREATH STANDARD

Part Number: 4401041NJ  
DRAEGER MEDICAL SYSTEMS INC

Sales order: 1130435101  
Date: May 28, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer  
ANALYTICAL ACCURACY:  $\pm 0.002$  BrAC or  $\pm 2\%$  whichever is greater.  
CALGAZ LOT#: 302-403055154  
ETHANOL IN NITROGEN

Manufactured Date: May 24, 2024  
Product Expiration: May 24, 2027

| COMPONENT                | PPM      | ( BrAC ) |
|--------------------------|----------|----------|
| ETHANOL                  | 781.5PPM | (0.300)  |
| NITROGEN                 | BAL      |          |
| AVERAGE ANALYTICAL VALUE | PPM      | ( BrAC ) |
| ETHANOL                  | 787.5    | (0.302)  |

| REFERENCE STANDARD          | CYLINDER | CONCENTRATION PPM |
|-----------------------------|----------|-------------------|
| N.M.I. TRACEABLE STANDARDS* | ND23368  | 519.5             |

\* CERTIFICATION TRACEABLE TO NATIONAL METROLOGY INSTITUTE TRACEABLE STANDARDS

### TRACEABILITY

#### Preparation:

Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44.

Traceable certificate numbers 3445312 and 3398673.

#### Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards.

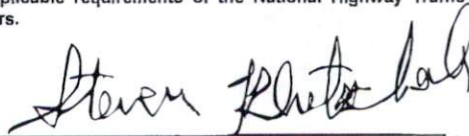
Certification Numbers: A679-20190918, D049803-20220329

No effecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIPM MRA).

CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

APPROVED BY:



"We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request."

**CALGAZ, a division of Airgas USA LLC**

821 Chesapeake Drive, Cambridge, MD 21613-0149

Phone: (410) 228-6400 Fax: (410) 228-4251

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

**James G. Fillimon**  
**New Jersey State Police**

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF  
THE LAWS OF 1964 IN THE OPERATION OF THE **Alcotest 9510**  
A METHOD TO DETERMINE INTOXICATION.  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 3rd DAY OF October  
TWO THOUSAND AND Twenty Three

[Signature] COLONEL  
NEW JERSEY STATE POLICE

[Signature] ATTORNEY GENERAL  
STATE OF NEW JERSEY

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

**James G. Fillimon**  
**Breath Test Coordinator/Instructor**

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF  
THE LAWS OF 1964 IN THE OPERATION OF THE **Alcotest 9510**  
A METHOD TO DETERMINE INTOXICATION.  
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 18th DAY OF November  
TWO THOUSAND AND Twenty Five

[Signature] COLONEL  
NEW JERSEY STATE POLICE

[Signature] ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

| DATE       | Refresher Course<br>PLACE | INSTRUCTOR |
|------------|---------------------------|------------|
| 1. 4-10-25 | MCFA                      | A. D.      |
| 2.         |                           |            |
| 3.         |                           |            |
| 4.         |                           |            |
| 5.         |                           |            |
| 6.         |                           |            |
| 7.         |                           |            |
| 8.         |                           |            |
| 9.         |                           |            |

S.P. 2938 (Rev. 10/22)

ORIGINAL COURSE DATES

| DATE | Refresher Course<br>PLACE | INSTRUCTOR |
|------|---------------------------|------------|
| 1.   |                           |            |
| 2.   |                           |            |
| 3.   |                           |            |
| 4.   |                           |            |
| 5.   |                           |            |
| 6.   |                           |            |
| 7.   |                           |            |
| 8.   |                           |            |
| 9.   |                           |            |

S.P. 2938 (Rev. 10/22)

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

**Robert W. Waldrop**

**Breath Test Coordinator/Instructor**

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH TESTS IN ACCORDANCE WITH CHAPTER 142 OF

THE LAWS OF THE STATE OF NEW JERSEY, ALABAMA 9510

A LICENSE TO DRIVE IN THE STATE OF NEW JERSEY

ON THE 25th DAY OF March

TWO THOUSAND AND Twenty Five

*[Signature]*  
COLONEL  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTESTING OFFICIAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

| DATE | Refresher Course<br>PLACE | INSTRUCTOR |
|------|---------------------------|------------|
| 1.   |                           |            |
| 2.   |                           |            |
| 3.   |                           |            |
| 4.   |                           |            |
| 5.   |                           |            |
| 6.   |                           |            |
| 7.   |                           |            |
| 8.   |                           |            |
| 9.   |                           |            |

E.P. 2008 (Rev. 10/02)

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

**Robert W. Waldrop**

**New Jersey State Police**

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH TESTS IN ACCORDANCE WITH CHAPTER 142 OF

THE LAWS OF THE STATE OF NEW JERSEY, ALABAMA 9510

A LICENSE TO DRIVE IN THE STATE OF NEW JERSEY

ON THE 28th DAY OF April

TWO THOUSAND AND Twenty Three

*[Signature]*  
COLONEL  
NEW JERSEY STATE POLICE

*[Signature]*  
ATTESTING OFFICIAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

| DATE       | Refresher Course<br>PLACE | INSTRUCTOR         |
|------------|---------------------------|--------------------|
| 1. 3-27-85 | MCFF                      | <i>[Signature]</i> |
| 2.         |                           |                    |
| 3.         |                           |                    |
| 4.         |                           |                    |
| 5.         |                           |                    |
| 6.         |                           |                    |
| 7.         |                           |                    |
| 8.         |                           |                    |
| 9.         |                           |                    |

E.P. 2008 (Rev. 10/02)