ALCOTEST 9510 PARAMETER REPORT

Equipment

Serial No.:	ARMJ-0228
Firmware:	8326739 1.5
WinCE application:	8326738 2.9
Configuration:	8326737 3.10
Date:	10/28/2026
Time:	10:50:00

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 sensitivy	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)
Franklin Township

Equipment

Inst. Model No.:	ALCOTEST 9510	Serial No.:	ARMJ-0228		
Firmware:	8326739 1.5	Config.:	8326737 3.10	WinCE:	8326738 2.9

Wet Adjust Record

Wet Adjust File No.:	175	Wet Adjust Date:	10/28/2026	Wet Adjust No.:	4
		Wet Adjust Time:	11:35:24		
Concentration:	0.100 %				
Adjusting Unit:	X-Cal 2000	Adj. Unit Ser. No.:	ARPF-0046	Adj. Unit Exp.:	05/05/2027
Solution Lot No.:	25190	Soln. Bottle No.:	910	Adjust Soln. Exp.:	06/10/2027

Preadjust Simulator Temp.:	34.00 degree C
Postadjust Simulator Temp.:	33.99 degree C

Result

Procedure completed successfully.

Coordinator

Last Name: Widener - First Name: William MI: F Badge No.: 7817

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: 10/28/2026 ID: 22

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

Equipment

Inst. Model No.:	ALCOTEST 9510	Serial No.:	ARMJ-0228		
Firmware:	8326739 1.5	Config.:	8326737 3.10	WinCE:	8326738 2.9

Dry Adjust Record

Dry Adjust File No.:	176	Dry Adjust Date:	10/28/2026	Dry Adjust No.:	4
		Dry Adjust Time:	11:51:56		
Concentration:	0.100 %				
Dry Gas Lot No.:	302-403034216	Adjust Gas Exp.:	04/30/2027		
Barom. Model No.:	Mensor CPG2300	Barom. Serial No.:	41001RDF	Barom. Cert. Exp.:	02/04/2027
Pre-adjust Amb. Pressure:		1027 hPa	Post-adjust Amb. Pressure:		1027 hPa

Result

Procedure completed successfully.

Coordinator

Last Name: Widener - First Name: William MI: F Badge No.: 7817

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: 10/28/2026 ID: 22

ALCOTEST 9510 CERTIFICATION REPORT - LINEARITY (PART III)
Franklin Township

Equipment

Inst. Model No.:	ALCOTEST 9510	Serial No.:	ARMJ-0228		
Firmware:	8326739 1.5	Config.:	8326737 3.10	WinCE:	8326738 2.9

Linearity Record

Linearity File No.:	177	Lin. Date:	10/28/2026	Lin. No.:	4

0.040% Dry Gas Lot No.:	302-402999655	Adjust. Gas Exp.:	03/20/2027
0.080% Dry Gas Lot No.:	302-403008098	Adjust. Gas Exp.:	04/01/2027
0.160% Dry Gas Lot No.:	302-402997176	Adjust. Gas Exp.:	03/19/2027
0.300% Dry Gas Lot No.:	302-403001320	Adjust. Gas Exp.:	03/21/2027

Data Summary

Function	Result %BAC	Time hh:mm:ss	Barometric Pres. [hPa]	Comment(s) or Status Code
Ambient Air Blank	0.000	12:04:48		*TEST PASSED*
Control .04 Test 1 EC	0.039	12:05:24	1027	*TEST PASSED*
Control .04 Test 1 IR	0.039	12:05:24	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:06:33		*TEST PASSED*
Control .04 Test 2 EC	0.040	12:06:47	1027	*TEST PASSED*
Control .04 Test 2 IR	0.039	12:06:47	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:12:22		*TEST PASSED*
Control .08 Test 3 EC	0.078	12:12:58	1027	*TEST PASSED*
Control .08 Test 3 IR	0.079	12:12:58	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:14:09		*TEST PASSED*
Control .08 Test 4 EC	0.080	12:14:23	1027	*TEST PASSED*
Control .08 Test 4 IR	0.080	12:14:23	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:23:23		*TEST PASSED*
Control .16 Test 5 EC	0.157	12:23:58	1027	*TEST PASSED*
Control .16 Test 5 IR	0.159	12:23:58	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:25:17		*TEST PASSED*
Control .16 Test 6 EC	0.160	12:25:30	1027	*TEST PASSED*
Control .16 Test 6 IR	0.160	12:25:30	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:32:33		*TEST PASSED*
Control .30 Test 7 EC	0.294	12:33:13	1027	*TEST PASSED*
Control .30 Test 7 IR	0.297	12:33:13	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:34:41		*TEST PASSED*
Control .30 Test 8 EC	0.301	12:34:58	1027	*TEST PASSED*
Control .30 Test 8 IR	0.300	12:34:58	1027	*TEST PASSED*
Ambient Air Blank	0.000	12:35:37		*TEST PASSED*

Result

All tests within acceptable tolerance.

Coordinator

Last Name: Widener - First Name: William MI: F Badge No.: 7817

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: 10/28/2026 ID: 22

ALCOTEST 9510 CYLINDER INSTALLATION REPORT - INLET 1
Franklin Township
SERIAL NUMBER: ARMJ-0228

Equipment

Inst. Model No.:	ALCOTEST 9510	Serial No.:	ARMJ-0228		
Firmware:	8326739 1.5	Config.:	8326737 3.10	WinCE:	8326738 2.9
Cyl1 Install File No.:	117	Cyl1 Install Date:	06/02/2026	Cyl1 Install No.:	2

Control Tests (0.100%)

Installation Inlet:	#1 (Upper)	Post test active Cyl.:	#2 (Lower)
Dry Gas Lot No.:	302-403368142	Dry Gas Lot Exp.:	06/11/2028

Data Summary

Function	Result %BAC	Time hh:mm:ss	Barometric Pres. [hPa]	Comment(s) or Status Code
Ambient Air Blank	0.000	13:13:47		*TEST PASSED*
Control Test 1			1018	*TEST PASSED*
EC Result	0.100	13:14:35		*TEST PASSED*
IR Result	0.101	13:14:35		*TEST PASSED*
Ambient Air Blank	0.000	13:15:59		*TEST PASSED*
Control Test 2			1018	*TEST PASSED*
EC Result	0.101	13:16:25		*TEST PASSED*
IR Result	0.101	13:16:25		*TEST PASSED*
Ambient Air Blank	0.000	13:17:52		*TEST PASSED*
Control Test 3			1018	*TEST PASSED*
EC Result	0.101	13:18:18		*TEST PASSED*
IR Result	0.101	13:18:18		*TEST PASSED*
Ambient Air Blank	0.000	13:19:04		*TEST PASSED*

Result

All tests within acceptable tolerance.

Coordinator

Last Name: WIDENER - First Name: WILLIAM MI: F Badge No.: 7817

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: 06/02/2026 ID: 22

ALCOTEST 9510 CYLINDER INSTALLATION REPORT - INLET 2
Franklin Township
SERIAL NUMBER: ARMJ-0228

Equipment

Inst. Model No.:	ALCOTEST 9510	Serial No.:	ARMJ-0228		
Firmware:	8326739 1.5	Config.:	8326737 3.10	WinCE:	8326738 2.9
Cyl2 Install File No.:	118	Cyl2 Install Date:	06/02/2026	Cyl2 Install No.:	2

Control Tests (0.100%)

Installation Inlet:	#2 (Lower)	Post test active Cyl.:	#1 (Upper)
Dry Gas Lot No.:	302-403530916	Dry Gas Lot Exp.:	01/13/2029

Data Summary

Function	Result %BAC	Time hh:mm:ss	Barometric Pres. [hPa]	Comment(s) or Status Code
Ambient Air Blank	0.000	13:30:19		*TEST PASSED*
Control Test 1			1018	*TEST PASSED*
EC Result	0.100	13:31:05		*TEST PASSED*
IR Result	0.101	13:31:05		*TEST PASSED*
Ambient Air Blank	0.000	13:32:32		*TEST PASSED*
Control Test 2			1018	*TEST PASSED*
EC Result	0.101	13:32:56		*TEST PASSED*
IR Result	0.101	13:32:56		*TEST PASSED*
Ambient Air Blank	0.000	13:34:24		*TEST PASSED*
Control Test 3			1018	*TEST PASSED*
EC Result	0.101	13:34:49		*TEST PASSED*
IR Result	0.101	13:34:49		*TEST PASSED*
Ambient Air Blank	0.000	13:35:36		*TEST PASSED*

Result

All tests within acceptable tolerance.

Coordinator

Last Name: WIDENER - First Name: WILLIAM MI: F Badge No.: 7817

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: 06/02/2026 ID: 22

CERTIFICATE OF ANALYSIS
EBS - ETHANOL BREATH STANDARD

Part Number: 4401036
DRAEGER MEDICAL SYSTEMS INC

Sales order: 1140199442
Date: June 18, 2025

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-403368142
ETHANOL IN NITROGEN

Manufactured Date: June 11, 2025
Product Expiration: June 11, 2028

COMPONENT	PPM	(BrAC)
ETHANOL	260.5PPM	(0.100)
NITROGEN	BAL	

AVERAGE ANALYTICAL VALUE	PPM	(BrAC)
ETHANOL	263.8	(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 herin 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: 1145361076
Date: January 16, 2026

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-403530916
ETHANOL IN NITROGEN

Manufactured Date: January 13, 2026
Product Expiration: January 13, 2029

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*	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 herin 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: 2025-08-07

Serial Number: ARMJ-0228

DMSI, _____

State of New Jersey
OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 08628-0068
(609) 882-2000

PHILIP D. MURPHY
Governor

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:** 07/01/2025

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 25190

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 0.1219 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 10, 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 8 day of July, 2025.

Notary

KAREN E. STAHL
Notary Public, State of New Jersey
Comm. # 50110522
My Commission Expires 8/13/2029

CALIBRATED BY TRANSCAT CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC
7256 S SAM HOUSTON PKWY W
STE 100
HOUSTON, TX 77085
PO Number: SUW4303936946

ANAB ACCREDITED ISO/IEC 17025 CALIBRATION LABORATORY
ANAB AC-2469.02

Certificate/SO Number: 5-G2M7E-180-1 Revision 0

Manufacturer: Drager Safety AG & Co. KGaA
Model Number: X-Cal 2000
Description: Breath Alcohol Simulator
Serial Number: ARPF-0046
ID: NONE

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

Issue Date: May 05, 2026
Calibration Date: May 05, 2026
Due Date: May 05, 2027

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

This calibration conforms to ISO/IEC 17025:2017, ANSI/NCSL Z540-1-1994, ISO 9001:2015, and ISO 10012:2003. 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. Standards are traceable to the SI either through the National Institute of Standards & Technology (NIST), the National Research Council of Canada (NRC), other national measurement institutes (NMI) that are signatories to the CIPM Mutual Recognition Arrangement, natural physical constants, intrinsic standards, or ratio type measurements. The results of this report relate only to the item calibrated or tested. Reported data is valid at the time of calibration at the environmental conditions noted. This certificate shall not be reproduced except in full, without the written consent of Transcat Inc. Uncertainties are reported with a coverage factor k=2, providing a level of confidence of approximately 95%. When a decision rule is inherent in the specification or the standard the prescribed decision rule was used, otherwise where a statement of conformance is made, it was made based on the measurement meeting the limit, with no guard-banding applied. Per ILAC G8 Simple Decision rule TUR is >=4:1 unless otherwise noted in the data.

Calibrated At:
16115 Park Row
Houston, TX 77084

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

Unit Barcode: 0900B686532

Date Received: April 23, 2026
Service Level: R9

Calibrated By:
Electronically Signed By:
Jose Martinez

Jose Martinez	May 05, 2026
Calibration Technician	15:22:56 -04:00

Reviewed By:
Electronically Signed By:
Josh Soileau

Josh Soileau	May 05, 2026
Lab Manager	16:42:33 -04:00

Customer Number: 1-659111-000

CALIBRATED BY TRANSCAT CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC
7256 S SAM HOUSTON PKWY W
STE 100
HOUSTON, TX 77085
PO Number: SUW4303936946

ANAB ACCREDITED CALIBRATION LABORATORY
ANAB AC-2469.02

Certificate/SO Number: 5-G2M7E-180-1 Revision 0

As Found/As Left Data

Description	Setpoints	Accuracy	Low Limit	High Limit	As Found / As Left	OOT	Cal Process Uncertainty (k=2; ±)	Measurement Uncertainty (k=2; ±)	Units	TUR
Function Checks										
Bubble Check			P	P	P					
Seal Check			P	P	P					
Temperature Source: Accuracy Test										
Accuracy Test	34.00°C	±(0.02 °C)	33.98	34.02	33.99 °C		1.5e-002	1.6e-002	°C	1.3 : 1
Temperature Source: Stability Test										
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
TN026	Hart Scientific	2560	Black Stack, SPRT Module	3-Mar-26	31-Mar-27	5 -&TN026-22-1	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
69.75°F /20.97°C	43.50%	DewK11	G	Temperature

CALIBRATED BY TRANSCAT CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC
7256 S SAM HOUSTON PKWY W
STE 100
HOUSTON, TX 77085
PO Number: SUW4303861656

ANAB ACCREDITED CALIBRATION LABORATORY
ANAB AC-2469.02

Certificate/SO Number: 5-G0Y4Z-20-1 Revision 0

Manufacturer: Wika Instr/Mensor Corp/Trend
Model Number: CPG2300
Description: Portable Barometer
Serial Number: 41001RDF
ID: NONE

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

Issue Date: Feb 04, 2026
Calibration Date: Feb 04, 2026
Due Date: Feb 04, 2027

Calibrated To: Manufacturer Specification
Calibration Procedure: 1-AC94879-0

This calibration conforms to ISO/IEC 17025:2017, ANSI/NCSL Z540-1-1994, ISO 9001:2015, and ISO 10012:2003. 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. Standards are traceable to the SI either through the National Institute of Standards & Technology (NIST), the National Research Council of Canada (NRC), other national measurement institutes (NMI) that are signatories to the CIPM Mutual Recognition Arrangement, natural physical constants, intrinsic standards, or ratio type measurements. The results of this report relate only to the item calibrated or tested. Reported data is valid at the time of calibration at the environmental conditions noted. This certificate shall not be reproduced except in full, without the written consent of Transcat Inc. Uncertainties are reported with a coverage factor k=2, providing a level of confidence of approximately 95%. When a decision rule is inherent in the specification or the standard the prescribed decision rule was used, otherwise where a statement of conformance is made, it was made based on the measurement meeting the limit, with no guard-banding applied. Per ILAC G8 Simple Decision rule TUR is <=4:1 unless otherwise noted in the data.

Calibrated At:
16115 Park Row
Houston, TX 77084

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

Calibrated By:
Electronically Signed By:
Christopher Bortz
Christopher Bortz — Calibration Technician — Feb 04, 2026 10:35:04 -05:00

Reviewed By:
Electronically Signed By:
Evan Copeland for
Josh Soileau — Lab Manager — Feb 04, 2026 11:52:10 -05:00

Unit Barcode: 090085816222

Date Received: February 03, 2026
Service Level : R9

Customer Number: 1-659111-00C

CALIBRATED BY TRANSCAT CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC
7256 S SAM HOUSTON PKWY W
STE 100
HOUSTON, TX 77085
PO Number: SUW4303861656

ANAB ACCREDITED CALIBRATION LABORATORY
ANAB AC-2489.02

Certificate/SO Number: 5-G0Y4Z-20-1 Revision 0

As Found/As Left Data

Description	Setpoints	Accuracy	Low Limit	High Limit	As Found / As Left	OOT	Cal Process Uncertainty (k=2; ±)	Measurement Uncertainty (k=2; ±)	Units	TUR
Pressure Measure: 8 to 17 psia Range										
	7.978psia	±(0.015% FS)	7.975	7.981	7.978 psia		1.4e-004	6.0e-004	psia	20.9 : 1
	8.848psia	±(0.015% FS)	8.845	8.851	8.847 psia		1.6e-004	6.0e-004	psia	18.8 : 1
	9.868psia	±(0.015% FS)	9.865	9.871	9.868 psia		1.8e-004	6.0e-004	psia	16.9 : 1
	10.650psia	±(0.015% FS)	10.647	10.653	10.650 psia		1.9e-004	6.1e-004	psia	15.6 : 1
	11.671psia	±(0.015% FS)	11.668	11.674	11.671 psia		2.1e-004	6.2e-004	psia	14.3 : 1
	12.545psia	±(0.015% FS)	12.542	12.548	12.545 psia		2.3e-004	6.1e-004	psia	13.3 : 1
	13.415psia	±(0.015% FS)	13.412	13.418	13.415 psia		2.4e-004	6.3e-004	psia	12.4 : 1
	14.290psia	±(0.015% FS)	14.287	14.293	14.289 psia		2.8e-004	6.3e-004	psia	11.7 : 1
	15.140psia	±(0.015% FS)	15.137	15.143	15.140 psia		2.7e-004	6.4e-004	psia	11.0 : 1
	16.160psia	±(0.015% FS)	16.157	16.163	16.160 psia		2.9e-004	6.5e-004	psia	10.3 : 1
	17.036psia	±(0.015% FS)	17.033	17.039	17.035 psia		3.1e-004	6.5e-004	psia	9.8 : 1
	13.415psia	±(0.015% FS)	13.412	13.418	13.415 psia		2.4e-004	6.3e-004	psia	12.4 : 1
	12.545psia	±(0.015% FS)	12.542	12.548	12.545 psia		2.3e-004	6.1e-004	psia	13.3 : 1
	11.671psia	±(0.015% FS)	11.668	11.674	11.670 psia		2.1e-004	6.2e-004	psia	14.3 : 1

Field not applicable.

CALIBRATED BY TRANSCAT CERTIFICATE OF CALIBRATION

Customer: DRAEGER INC
7256 S SAM HOUSTON PKWY W
STE 100
HOUSTON, TX 77085
PO Number: SUW4303861656

ANAB ACCREDITED CALIBRATION LABORATORY
ANAB AC-2489.02

Certificate/SO Number: 5-G0Y4Z-20-1 Revision 0

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-&DW11BA-20-1	AF/AL
DW11CA	Fluke/DH Instruments	MS-AMH-38	AMH Mass Set	2-Feb-26	31-May-26	5-&DW11CA-46-1	AF/AL
DW11LOW	Fluke/DH Instruments	PC-7100/7600-10-TC	Gas Piston-Cylinder Module	8-Apr-22	30-Apr-27	5-&DW11LOW-3-1	AF/AL
DW11MASS	Fluke/DH Instruments	MS-AMH-38	AMH Mass Set	5-Mar-25	31-Mar-26	5-&DW11MASS-12-1	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
70.30°F /21.28°C	36.20%	DewK10	B	GP Pressure

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: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-403034216
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	264.1	(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: Steven Plutschak

"We certify that all the cylinders for the Lot numbers identified herin 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: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-402999655
ETHANOL IN NITROGEN

Manufactured Date: March 20, 2024
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: Steven Plutschak

"We certify that all the cylinders for the Lot numbers identified herin 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."

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CERTIFICATE OF ANALYSIS

EBS - ETHANOL BREATH STANDARD

Part Number: 4401032
DRAEGER MEDICAL SYSTEMS INC

Sales order: 1130434779
Date: May 22, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-403008098
ETHANOL IN NITROGEN

Manufactured Date: April 01, 2024
Product Expiration: April 01, 2027

COMPONENT	PPM	(BrAC)
ETHANOL	208.4PPM	(0.080)
NITROGEN	BAL	

AVERAGE ANALYTICAL VALUE	PPM	(BrAC)
ETHANOL	212.7	(0.082)

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: Steven Pletscher

"We certify that all the cylinders for the Lot numbers identified herin 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: 1130434779
Date: May 22, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-402997176
ETHANOL IN NITROGEN

Manufactured Date: March 19, 2024
Product Expiration: March 19, 2027

COMPONENT	PPM	(BrAC)
ETHANOL	416.8PPM	(0.160)
NITROGEN	BAL	

AVERAGE ANALYTICAL VALUE	PPM	(BrAC)
ETHANOL	423.2	(0.162)

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: Steven Plutschak

"We certify that all the cylinders for the Lot numbers identified herin 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: 1130434779
Date: May 22, 2024

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 302-403001320
ETHANOL IN NITROGEN

Manufactured Date: March 21, 2024
Product Expiration: March 21, 2027

COMPONENT	PPM	(BrAC)
ETHANOL	781.5PPM	(0.300)
NITROGEN	BAL	

AVERAGE ANALYTICAL VALUE	PPM	(BrAC)
ETHANOL	784.1	(0.301)

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: Steven Plutschak

"We certify that all the cylinders for the Lot numbers identified herin 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
Law and Public Safety

This is to certify that

William F. Widener

New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT OPERATIONAL BREATH ANALYSIS PURSUANT TO CHAPTER 142 OF THE LAWS OF 1966 IN THE OPERATION OF THE Alcotest 9510
A METHOD TO DETERMINE INTOXICATION.
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 7th DAY OF January
TWO THOUSAND AND Twenty Three

COLONEL
NEW JERSEY STATE POLICE

ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES _____

	DATE	Refresher Course PLACE	INSTRUCTOR
1.	3-27-25	MCFA	[illegible]
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

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

DEPARTMENT OF
Law and Public Safety

This is to certify that

William F. Widener

Breath Test Coordinator/Instructor

IS QUALIFIED AND COMPETENT TO CONDUCT OPERATIONAL BREATH ANALYSIS PURSUANT TO CHAPTER 142 OF THE LAWS OF 1966 IN THE OPERATION OF THE Alcotest 9510
A METHOD TO DETERMINE INTOXICATION.
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 16th DAY OF May
TWO THOUSAND AND Twenty Three

COLONEL
NEW JERSEY STATE POLICE

ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES _____

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

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