

Alcotest 7110 Calibration Record

Equipment

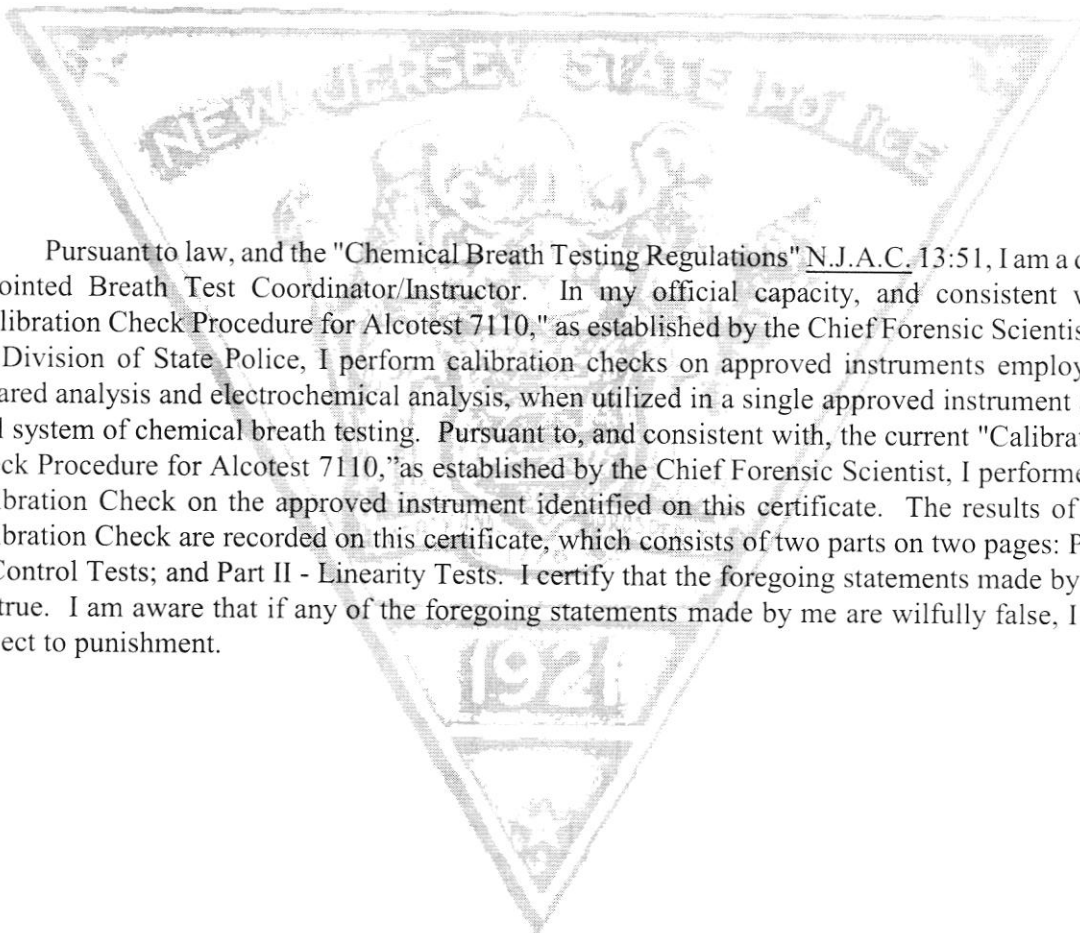
Alcotest 7110 MKIII-C
Location: PENNSAUKEN TWSP. P.D. Serial No.: ARUM-0051
Calibration File No.: 02859 Calib. Date: 04/11/2019 Calib. No.: 00037
Certification File No.: 02805 Cert. Date: 10/24/2018 Cert. No.: 00032
Linearity File No.: 02806 Lin. Date: 10/24/2018 Lin. No.: 00031
Solution File No.: 02853 Soln. Date: 03/30/2019 Soln. No.: 00308
Sequential File No.: 02859 File Date: 04/11/2019

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0339
Control Solution %: 0.100% Expires: 08/07/2019
Solution Control Lot: 17230 Bottle No.: 0542

Coordinator

Last Name: GAMBONE First Name: BRIAN MI: M
Signature: TPA. I B. A. # 7029 Badge No.: 7029
Date: 04/11/2019

*Black Key Temperature Probe Serial.....# DD X K P2- 390 (BNG)
*Digital NIST Temperature Measuring System Serial.....# 170428363 (BMG)



Pursuant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In my official capacity, and consistent with "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist of the Division of State Police, I perform calibration checks on approved instruments employing infrared analysis and electrochemical analysis, when utilized in a single approved instrument as a dual system of chemical breath testing. Pursuant to, and consistent with, the current "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist, I performed a Calibration Check on the approved instrument identified on this certificate. The results of my Calibration Check are recorded on this certificate, which consists of two parts on two pages: Part I - Control Tests; and Part II - Linearity Tests. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are wilfully false, I am subject to punishment.

Alcotest 7110 Calibration Certificate

Part I - Control Tests

Equipment

Alcotest 7110 MKIII-C
Location: PENNSAUKEN TWSP. P.D. Serial No.: ARUM-0051
Calibration File No.: 02859 Calib. Date: 04/11/2019 Calib. No.: 00037
Certification File No.: 02860 Cert. Date: 04/11/2019 Cert. No.: 00033
Linearity File No.: 02806 Lin. Date: 10/24/2018 Lin. No.: 00031
Solution File No.: 02853 Soln. Date: 03/30/2019 Soln. No.: 00308
Sequential File No.: 02860 File Date: 04/11/2019

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0339
Control Solution %: 0.100% Expires: 08/07/2019
Solution Control Lot: 17230 Bottle No.: 0542

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	13:00D		
Control 1 EC	0.100%	13:00D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.099%	13:00D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:01D		
Control 2 EC	0.097%	13:02D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.098%	13:02D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:03D		
Control 3 EC	0.097%	13:03D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	13:03D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:04D		

All tests within acceptable tolerance.

Coordinator

Last Name: GAMBONE

First Name: BRIAN

MI: M

Signature: TPR. I B-Gambone

7029

Badge No.: 7029

Date: 04/11/2019

Pursuant to law, and the "Chemical Breath Testing Regulations" N.J.A.C. 13:51, I am a duly appointed Breath Test Coordinator/Instructor. In my official capacity, and consistent with "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist of the Division of State Police, I perform calibration checks on approved instruments employing infrared analysis and electrochemical analysis, when utilized in a single approved instrument as a dual system of chemical breath testing. Pursuant to, and consistent with, the current "Calibration Check Procedure for Alcotest 7110," as established by the Chief Forensic Scientist, I performed a Calibration Check on the approved instrument identified on this certificate. The results of my Calibration Check are recorded on this certificate, which consists of two parts on two pages: Part I - Control Tests; and Part II - Linearity Tests. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are wilfully false, I am subject to punishment.

Alcotest 7110 Calibration Certificate

Part II - Linearity Tests

Equipment Alcotest 7110 MKIII-C Serial No.: ARUM-0051
Location: PENNSAUKEN TWSP. P.D.
Calibration File No.: 02859 Calib. Date: 04/11/2019 Calib. No.: 00037
Certification File No.: 02860 Cert. Date: 04/11/2019 Cert. No.: 00033
Linearity File No.: 02861 Lin. Date: 04/11/2019 Lin. No.: 00032
Solution File No.: 02853 Soln. Date: 03/30/2019 Soln. No.: 00308
Sequential File No.: 02861 File Date: 04/11/2019

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDYA S3-0004
Control Solution %: 0.040% Expires: 08/10/2019
Solution Control Lot: 17240 Bottle No.: 1414

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDCB-0002
Control Solution %: 0.080% Expires: 08/15/2019
Solution Control Lot: 17250 Bottle No.: 1435

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDBN-0007
Control Solution %: 0.160% Expires: 08/21/2019
Solution Control Lot: 17260 Bottle No.: 0642

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	13:18D		
Control 1 EC	0.041%	13:19D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.040%	13:19D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:21D		
Control 2 EC	0.041%	13:21D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	13:21D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:23D		
Control 3 EC	0.081%	13:23D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	13:23D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:25D		
Control 4 EC	0.079%	13:26D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.078%	13:26D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:27D		
Control 5 EC	0.160%	13:28D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.156%	13:28D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:29D		
Control 6 EC	0.157%	13:30D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.155%	13:30D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:31D		

All tests within acceptable tolerance.

Coordinator

Last Name: GAMBONE

First Name: BRIAN

MI: M

Signature: TPK. I. B. # 7029

Badge No.: 7029

Date: 04/11/2019

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARUM-0051
Location:	PENNSAUKEN TWSP. P.D.	
Calibration File No.:	02859	Calib. Date: 04/11/2019
Certification File No.:	02860	Calib. No.: 00037
Linearity File No.:	02861	Cert. Date: 04/11/2019
Solution File No.:	02862	Cert. No.: 00033
Sequential File No.:	02862	Lin. Date: 04/11/2019
		Lin. No.: 00032
		Soln. Date: 04/11/2019
		Soln. No.: 00309
		File Date: 04/11/2019
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUN S3-0339
Solution Control Lot:	18290	Expires: 09/17/2020
		Bottle No.: 1291

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	14:37D		
Control 1 EC	0.100%	14:38D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	14:38D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:38D		
Control 2 EC	0.098%	14:39D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.098%	14:39D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:40D		
Control 3 EC	0.098%	14:40D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	14:40D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:41D		

All tests within acceptable tolerance.

On this date, I installed the above indicated "NEW SOLUTION" in accordance with Alcotest 7110 operator training and procedures established by the (NJSP) Chief Forensic Scientist.

Temperature Probe Serial Number: DDUJP2 - 139 BM6

Changed By:

Last Name: GAMBONE First Name: BRIAN MI: M

Signature: TPR. I BmM #7029 Badge No.: 7029
Date: 04/11/2019

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

Coordinator:

TPA. I Brian M. Gambone
Name

7029
Badge No.

Location:

Pennsauken Twp. P.D.
Agency

ARUM-0051
Alcotest Serial No.

Equipment:

170428363
Digital NIST Temperature Measuring System Serial No.

Simulator Solution Concentration	CU-34 Simulator Serial No.	Time Simulators Started to Heat	Time Temp. Reading Obtained	Temp. Reading on NIST Traceable Thermometer
0.04%	DDYA 53-0004	10:46 D	12:42 D	34.0 °C
0.08%	DDCB-0002	10:46 D	12:43 D	34.0 °C
0.10%	DDUN 53-0339	10:46 D	12:44 D	33.9 °C
0.16%	DDBN-0007	10:46 D	12:46 D	34.0 °C

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

TPA. I Brian M. Gambone # 7029
Coordinator's Signature

4/11/2019
Date

Dräger

Simulator

CERTIFICATE OF ACCURACY

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

- Model: ALCOTEST CU34
- Model: MARK IIA
- Other: _____

Serial Number:

DDYA 53-0004

Certification Date:

8-23-18

Technician:

BS

Re-Certification Due Date:

8-23-19

Dräger

Simulator

CERTIFICATE OF ACCURACY

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

- Model: ALCOTEST CU34
- Model: MARK IIA
- Other: _____

Serial Number:

DDCB-0002

Certification Date:

8-23-18

Technician:

BS

Re-Certification Due Date:

8-23-19

Dräger

Simulator

CERTIFICATE OF ACCURACY

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

Model: ALCOTEST CU34

Model: MARK IIA

Other: _____

Serial Number:

DDBN-0007

Certification Date:

9-12-18

Technician:

BS

Re-Certification Due Date:

9-12-19

Dräger

Alcotest 7110 Temperature Probe

CERTIFICATE OF ACCURACY

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

Serial Number Temp Probe:

DDXKP2-390

Certification Date:

8-23-18

Next Certification Due:

8-23-19

Probe Value:

104

Draeger, Inc.

BS



Calibration
Certificate No. 1750.01

**Calibration complies with ISO/IEC
17025, ANSI/NC SL Z540-1, and 9001**



Cert. No.: 4000-8609163

Traceable® Certificate of Calibration for Digital Thermometer

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

Instrument Identification:

Model: 61220-601 S/N: 170428363 Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A27129	12/01/17	1000401760
Temperature Probe	5267	12/06/17	B6B30059
Temperature Calibration Bath TC-191	A42238		
Thermistor Module	A27129	12/01/17	1000401760
Temperature Probe	5202	12/19/17	B6B30058-1
Temperature Calibration Bath TC-218	A73332		
Thermistor Probe	5356	1/10/18	B7104024
Readout, Digital Thermometer	B5C344	3/12/18	B7314035
Temperature Calibration Bath TC-275	B16388		
Thermistor Probe	5357	1/06/18	B7104023
Readout, Digital Thermometer	B5C344	3/12/18	B7314035

Certificate Information:

Technician: 104 Procedure: CAL-06 Cal Date: 6/08/17 Due Date: 6/08/19
 Test Conditions: 23.5°C 50.0 %RH 1014 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
°C		N.A.		0.002	0.001	Y	-0.048	0.052	0.010	>4:1
°C		N.A.		25.003	25.001	Y	24.953	25.053	0.010	>4:1
°C		N.A.		50.002	50.001	Y	49.952	50.052	0.010	>4:1
°C		N.A.		100.001	100.003	Y	99.951	100.051	0.010	>4:1

This Instrument was calibrated using Instruments Traceable to National Institute of Standards and Technology.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min = As Left Nominal(Rounded) - Tolerance; Max = As Left Nominal(Rounded) + Tolerance; Date=MM/DD/YY

Nicol Rodriguez
Nicol Rodriguez, Quality Manager

Aaron Judice
Aaron Judice, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your Digital Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Thermometers change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

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

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

Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
 Control Company is ISO 9001:2008 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-2008-AQ-HOU-RvA.
 International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



State of New Jersey

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DIVISION OF STATE POLICE
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(609) 882-2000

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

CHRISTOPHER S. PORRINO
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.10 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 08/24/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17230

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1202 to 0.1216 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is August 07, 2019.

As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

[Handwritten signature of Ali M. Alaouie]

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

Sworn to and subscribed before me this 24 day of August, 2017.

[Handwritten signature of Notary]

Notary
PETER F MURPHY IV
My Commission Expires
August 1, 2019



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Governor

KIM GUADAGNO
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Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.04 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 08/29/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17240

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0483 to 0.0489 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is August 10, 2019.

As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

[Handwritten signature of Ali M. Alaouie]

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

Sworn to and subscribed before me this 30th day of August, 2017.

[Handwritten signature of Mary Elizabeth McLaughlin]

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



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State of New Jersey

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COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.08 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.0939 to 0.0997 grams per 100 milliliters of solution.

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 09/07/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0963 to 0.0973 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is August 15, 2019.

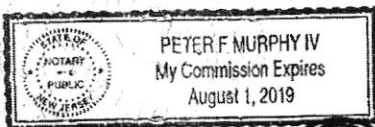
As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

[Handwritten signature]

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

Sworn to and subscribed before me this 11 day of September, 2017.

[Handwritten signature]
Notary



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State of New Jersey

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Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.16 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 09/12/2017

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 17260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1937 to 0.1957 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is August 21, 2019.

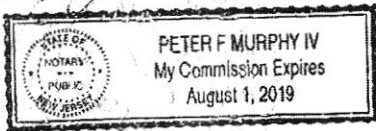
As Research Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

[Handwritten signature of Ali M. Alaouie]

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

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

[Handwritten signature of Notary]
Notary



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State of New Jersey

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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

GURBIR S. GREWAL
Attorney General

PATRICK J. CALLAHAN
Colonel

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

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

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 09/25/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18290

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1210 to 0.1226 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 September 21, 2020.

As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

Michael Kennedy
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 25th day of September, 2018.

Notary

MARY ELIZABETH MCLAUGHLIN

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



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State of New Jersey

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DEPARTMENT OF LAW AND PUBLIC SAFETY
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PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

GURBIR S. GREWAL
Attorney General

PATRICK J. CALLAHAN
Colonel

AMMENDED
CERTIFICATION OF ANALYSIS
0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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As Assistant Chief Forensic Scientist for the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at the Office of Forensic Sciences of the Division of State Police on properly functioning and calibrated instruments and equipment. All procedures utilized are accurate, objective, and performed on a routine basis by personnel within the Office of Forensic Sciences, in accordance with their professional duties and responsibilities.

This certificate was amended to reflect a correction of expiration date from September 21, 2020 to September 17, 2020.

Michael Kennedy

Michael Kennedy
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 19th day of October, 2018.

Notary

MARY ELIZABETH MCLAUGHLIN

ID # 2052190

NOTARY PUBLIC

STATE OF NEW JERSEY

My Commission Expires Dec. 24, 2018

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DEPARTMENT OF
Traffic and Public Safety
What is to be certified that

Brian M. Gambone

Breath Test Coordinator/Instructor

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSIS PURSUANT TO CHAPTER 142 OF THE LAWS OF 1964 IN THE OPERATION OF THE ALCOHOL TEST 7110 MKIII-C
A METHOD TO DETERMINE BLOOD ALCOHOL
EVEN UNDERWAY BASED AT TRENTON, NEW JERSEY TEST # 9th DAY OF October

THIS INSTRUMENT AND Knighton
[Signature] COLONEL NEW JERSEY STATE POLICE
[Signature] ATTORNEY GENERAL STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
11/19/18	GCFA	Adam Standa
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 2538 (Rev. 8/1/18)

DEPARTMENT OF
Traffic and Public Safety
What is to be certified that

Brian M. Gambone
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSIS PURSUANT TO CHAPTER 142 OF THE LAWS OF 1964 IN THE OPERATION OF THE ALCOHOL TEST 7110 MKIII-C
A METHOD TO DETERMINE BLOOD ALCOHOL
EVEN UNDERWAY BASED AT TRENTON, NEW JERSEY TEST # 15th DAY OF July

THIS INSTRUMENT AND Ten
[Signature] NEW JERSEY STATE POLICE
[Signature] ATTORNEY GENERAL STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1/28/17	GCFA	Wm Linn
2. 11/4/14	GCFA	Adam Standa
3. 6/4/16	CMFA	Adam Standa
4. 11/19/18	GCFA	Adam Standa
5.		
6.		
7.		
8.		
9.		

S.P. 2538 (Rev. 03/10)

Dräger

Alcotest® 7110 MKIII-C

CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 7110 MKIII-C has been tested for accuracy and found to be in compliance with the National Highway Traffic Safety Administration Standard for evidential breath testing devices. The Alcotest MKIII-C is compliant as a "mobile" and "nonmobile" EBT with 49 FR 48854, 49 FR 48864 and 68 FR 48705. The manufacturer recommends accuracy verification of this instrument within 12 months of the calibration date below, or sooner, according to your State Specifications.

Certification Date:

3-17-15

SERIAL NUMBER:

ARUM-0051

Dräger Safety Diagnostics, Inc.

PC

Dräger

Simulator

CERTIFICATE OF ACCURACY

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

- Model: ALCOTEST CU34
- Model: MARK IIA
- Other: _____

Serial Number:
DDUN53-0339

Certification Date: 1-18-19 Technician: BS Re-Certification Due Date: 1-18-20

Dräger

Alcotest 7110 Temperature Probe

CERTIFICATE OF ACCURACY

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

Serial Number Temp Probe: DDUSP2-139 Certification Date: 1-17-19 Next Certification Due: 1-17-20

Probe Value: 102 Draeger, Inc. BS