

# Alcotest 7110 Calibration Record

## Equipment

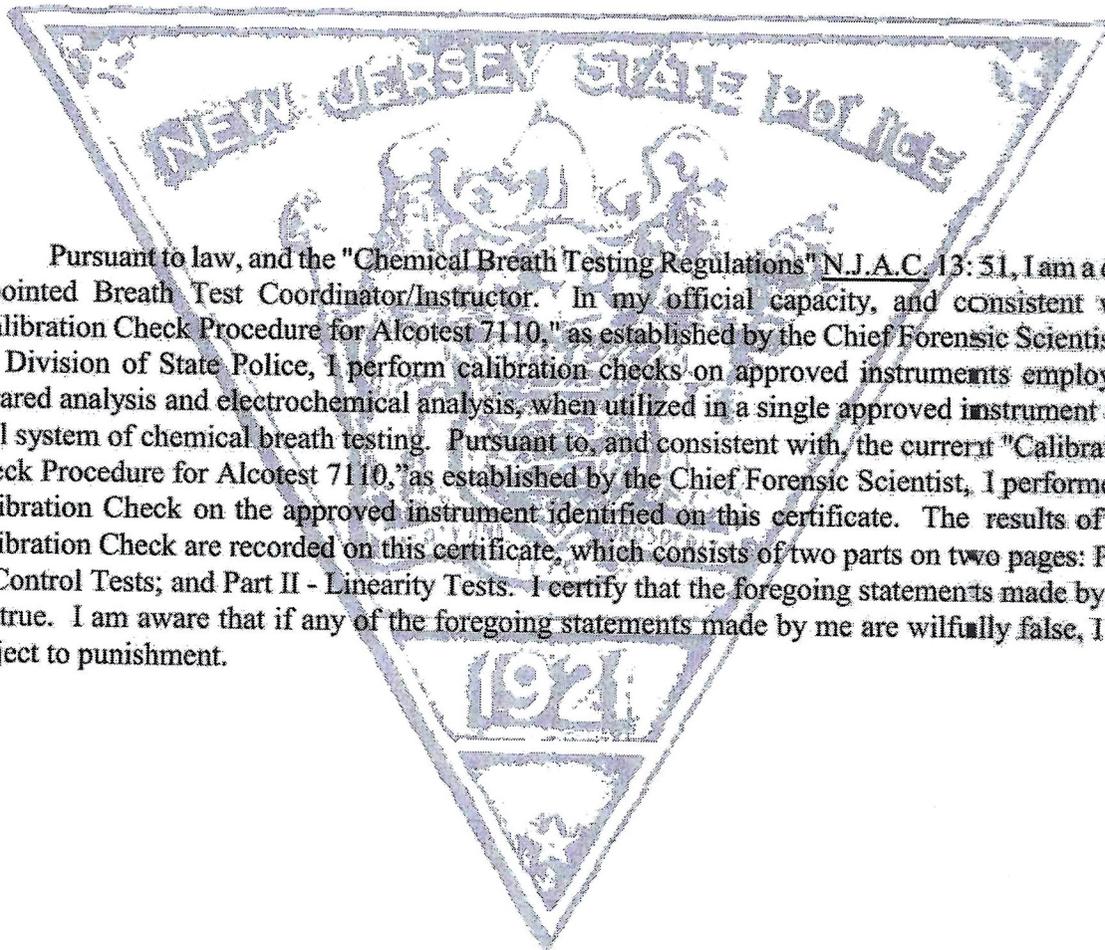
Alcotest 7110 MKIII-C	Serial No.:	ARXC-0091
Location: CEDAR GROVE POLICE		
Calibration File No.: 00880	Calib. Date: 09/13/2022	Calib. No.: 00036
Certification File No.: 00871	Cert. Date: 05/13/2022	Cert. No.: 00030
Linearity File No.: 00872	Lin. Date: 05/13/2022	Lin. No.: 00030
Solution File No.: 00879	Soln. Date: 09/08/2022	Soln. No.: 00229
Sequential File No.: 00880	File Date: 09/13/2022	
Calibrating Unit: WET	Model No.: CU-34	Serial No.: DDZH-0064
Control Solution %: 0.100%		Expires: 06/16/2023
Solution Control Lot: 21210		Bottle No.: 0405

## Coordinator

Last Name: HURTADO First Name: FRANCISCO MI: A.  
Signature: FR. II Francisco Hurtado #7635 Badge No.: 7635  
Date: 09/13/2022

\*Black Key Temperature Probe Serial.....# DDEE P2-049 F.H.

\*Digital NIST Temperature Measuring System Serial.....# 210 216 820 F.H.



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: CEDAR GROVE POLICE  
Serial No.: ARXC-0091  
Calibration File No.: 00880  
Calib. Date: 09/13/2022  
Calib. No.: 00036  
Certification File No.: 00881  
Cert. Date: 09/13/2022  
Cert. No.: 00031  
Linearity File No.: 00872  
Lin. Date: 05/13/2022  
Lin. No.: 00030  
Solution File No.: 00879  
Soln. Date: 09/08/2022  
Soln. No.: 00229  
Sequential File No.: 00881  
File Date: 09/13/2022

Calibrating Unit: WET  
Model No.: CU-34  
Serial No.: DDZH-0064  
Control Solution %: 0.100%  
Expires: 06/16/2023  
Solution Control Lot: 21210  
Bottle No.: 0405

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:10D		
Control 1 EC	0.099%	09:10D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	09:10D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:11D		
Control 2 EC	0.099%	09:11D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	09:11D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:12D		
Control 3 EC	0.099%	09:13D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	09:13D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:13D		

All tests within acceptable tolerance.

### Coordinator

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signature: *Francisco Hurtado #7635*

Badge No.: 7635

Date: 09/13/2022

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

# Alcotest 7110 Calibration Certificate

## Part II - Linearity Tests

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARXC-0091
Location:	CEDAR GROVE POLICE	
Calibration File No.:	00880	Calib. Date: 09/13/2022
Certification File No.:	00881	Calib. No.: 00036
Linearity File No.:	00882	Cert. Date: 09/13/2022
Solution File No.:	00879	Cert. No.: 00031
Sequential File No.:	00882	Lin. Date: 09/13/2022
		Lin. No.: 00031
		Soln. Date: 09/08/2022
		Soln. No.: 00229
		File Date: 09/13/2022
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.040%	Serial No.: DDSC S3-0014
Solution Control Lot:	21250	Expires: 07/06/2023
		Bottle No.: 1336
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.080%	Serial No.: DDXD S3-0181
Solution Control Lot:	21260	Expires: 07/19/2023
		Bottle No.: 0034
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.160%	Serial No.: DDWE S3-0200
Solution Control Lot:	21290	Expires: 07/29/2023
		Bottle No.: 1334

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:25D		
Control 1 EC	0.040%	09:26D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.038%	09:26D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:27D		
Control 2 EC	0.040%	09:28D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	09:28D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:29D		
Control 3 EC	0.081%	09:30D	34.1°C	*** TEST PASSED ***
Control 3 IR	0.080%	09:30D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:31D		
Control 4 EC	0.080%	09:32D	34.1°C	*** TEST PASSED ***
Control 4 IR	0.079%	09:32D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:33D		
Control 5 EC	0.160%	09:34D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.160%	09:34D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:35D		
Control 6 EC	0.159%	09:36D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.160%	09:36D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:37D		

All tests within acceptable tolerance.

**Coordinator**

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signature: *Francisco Hurtado #7635*

Badge No.: 7635

Date: 09/13/2022

# Calibrating Unit New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARXC-0091
Location:	CEDAR GROVE POLICE	
Calibration File No.:	00880	Calib. Date: 09/13/2022
Certification File No.:	00881	Calib. No.: 00036
Linearity File No.:	00882	Cert. Date: 09/13/2022
Solution File No.:	00883	Cert. No.: 00031
Sequential File No.:	00883	Lin. Date: 09/13/2022
		Lin. No.: 00031
		Soln. Date: 09/13/2022
		Soln. No.: 00230
		File Date: 09/13/2022
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDZH-0064
Solution Control Lot:	22160	Expires: 05/09/2024
		Bottle No.: 0545

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:42D		
Control 1 EC	0.100%	10:42D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:42D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:43D		
Control 2 EC	0.099%	10:44D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	10:44D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:44D		
Control 3 EC	0.099%	10:45D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	10:45D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:46D		

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: DDXK P2-321 F.H.

**Changed By:**

Last Name: HURTADO

First Name: FRANCISCO

MI: A.

Signature: T.P. II Jim Hurtado #7635

Badge No.: 7635

Date: 09/13/2022

**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 58 FR 48705. The manufacturer recommends accuracy verification of this instrument within 12 months of the calibration date below, or sooner, according to your State Specifications.

Certification Date:

5-1-13

SERIAL NUMBER:

ARXC-0091

Dräger Safety Diagnostics, Inc.

BC

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

**Coordinator:**

TPS. II FRANCISCO A. HURTADO  
Name

7635  
Badge No.

**Location:**

CEDAR GROVE POLICE  
Agency

ARXC-0091  
Alcotest Serial No.

**Equipment:**

210 216 820  
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%	DDSE 53-0014	08:00 D	09:01 D	34.0° C
0.08%	DDXD 53-0181	08:00 D	09:02 D	34.1° C
0.10%	DDZH-0064	08:00 D	09:03 D	34.0° C
0.16%	DDWE 53-0200	08:00 D	09:04 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.

TPS. II Francisco A. Hurtado #7635  
Coordinator's Signature

09-13-2022  
Date



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



Cert. No.: 4000-12064536

**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: 210216820

Manufacturer: Control Company

**Standards/Equipment:**

Description	Serial Number	Due Date	NIST Traceable Reference
Thermistor Module	A27129	01 Mar 2022	1000464865
Temperature Calibration Bath	A45240		
Temperature Calibration Bath	A73332		
Temperature Calibration Bath	B01375		
Temperature Probe	5394	08 Mar 2022	C1228019
Temperature Calibration Bath	B3A444		
Temperature Probe	5357	09 Jun 2021	C0428083
Thermistor Module	B5C344	06 Jun 2021	1000452872
Thermistor Module	B96381	21 Aug 2021	1000457544
Temperature Probe	5392	04 Aug 2021	C0804052
Temperature Probe	5398	04 Aug 2021	C0804051

**Certificate Information:**

Technician: 420

Procedure: CAL-06

Cal Date: 17 Mar 2021

Cal Due Date: 17 Mar 2023

Test Conditions: 62.18%RH 22.28°C 1006mBar

**Calibration Data: (New Instrument)**

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
°C	N.A.	N.A.		0.000	0.001	Y	-0.05	0.05	0.0087	>4:1
°C	N.A.	N.A.		24.999	25.001	Y	24.949	25.049	0.0087	>4:1
°C	N.A.	N.A.		50.001	50.000	Y	49.951	50.051	0.0087	>4:1
°C	N.A.	N.A.		100.002	100.000	Y	99.952	100.052	0.0087	>4:1

This certificate indicates Traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.

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

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

*Nicol Rodriguez*  
Nicol Rodriguez, Quality Manager

*Marisa Elms*  
Marisa Elms, Technical Manager

Note:

**Maintaining Accuracy:**

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

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

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



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



Cert. No.: 4000-12064536

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

**Recalibration:**

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

Issue Date : 17 Mar 2021

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

Control Company is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.  
Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2036-AQ-HOU-ANAB.  
International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).

**Dräger**

**Simulator**

**CERTIFICATE OF ACCURACY**

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

Model: ALCOTEST CU34

Model: MARK IIA

X-Cal 2000 (Alcosim)

Other: \_\_\_\_\_

Serial Number:

DDSCS3-0014

Certification Date:

4.5.22

Technician:

MB

Re-Certification Due Date:

4.5.23

**Dräger**

**Simulator**

**CERTIFICATE OF ACCURACY**

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

Model: ALCOTEST CU34

Model: MARK IIA

X-Cal 2000 (Alcosim)

Other: \_\_\_\_\_

Serial Number:

DDXDS3-0181

Certification Date:

4.5.22

Technician:

MB

Re-Certification Due Date:

4.5.23

**Dräger**

**Simulator**

**CERTIFICATE OF ACCURACY**

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

Model: ALCOTEST CU34

Model: MARK IIA

X-Cal 2000 (Alcosim)

Other: \_\_\_\_\_

Serial Number:

DDWES3-0200

Certification Date:

4.1.22

Technician:

MB

Re-Certification Due Date:

4.1.23

**Dräger**

**Alcotest 7110 Temperature Probe**

**CERTIFICATE OF ACCURACY**

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

Serial Number Temp Probe:

DDEEP2-049

Certification Date:

4.1.22

Next Certification Due:

4.1.23

Probe Value:

104

Dräger, Inc.

MB

# Dräger

## Simulator

### CERTIFICATE OF ACCURACY

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

Model: ALCOTEST CU34

Model: MARK IIA

X-Cal 2000 (Alcosim)

Other: \_\_\_\_\_

Serial Number:

DDZH-0064

Certification Date:

4.25.22

Technician:

MB

Re-Certification Due Date:

4.25.23

# Dräger

## Alcotest 7110 Temperature Probe

### CERTIFICATE OF ACCURACY

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

Serial Number Temp Probe:

DDXKP2-321

Certification Date:

4.25.22

Next Certification Due:

4.25.23

Probe Value:

103

Draeger, Inc.

MB



State of New Jersey

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

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

GURBIR S. GREWAL
Attorney General

PATRICK J. CALLAHAN
Colonel

CERTIFICATION OF ANALYSIS
0.100 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger, Inc.

ANALYSIS DATE: 07/07/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21210

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1199 to 0.1215 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 16, 2023.

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

Michael Kennedy
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 20 day of July, 2021.

Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 50110822
My Commission Expires 8/13/2024



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SHEILA Y. OLIVER
Lt. Governor

GURBIR S. GREWAL
Attorney General
PATRICK J. CALLAHAN
Colonel

CERTIFICATION OF ANALYSIS
0.040 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger, Inc.

ANALYSIS DATE: 07/27/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0485 to 0.0489 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 06, 2023.

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

Michael Kennedy
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 28 day of July, 2021.

Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 50110622
My Commission Expires 8/13/2024



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Governor

SHEILA Y. OLIVER
Lt. Governor

GURBIR S. GREWAL
Attorney General

PATRICK J. CALLAHAN
Colonel

CERTIFICATION OF ANALYSIS
0.080 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger, Inc.

ANALYSIS DATE: 07/27/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0970 to 0.0977 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 19, 2023.

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

Michael Kennedy
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 28 day of July, 2021.
Notary

KAREN E. STAHL
NOTARY PUBLIC OF NEW JERSEY
Commission # 80110622
My Commission Expires 8/13/2024



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State of New Jersey

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

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

ANDREW J. BRUCK
Acting Attorney General

PATRICK J. CALLAHAN
Colonel

CERTIFICATION OF ANALYSIS
0.160 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Draeger, Inc.

ANALYSIS DATE: 08/11/2021

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 21290

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1945 to 0.1977 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is July 29, 2023.

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

Handwritten signature of Michael Kennedy

Michael Kennedy
Assistant Chief Forensic Scientist
NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 20 day of August, 2021.

Notary signature: K. Stahl

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



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 OFFICE OF THE ATTORNEY GENERAL  
 DEPARTMENT OF LAW AND PUBLIC SAFETY  
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PHILIP D. MURPHY  
 Governor

SHEILA Y. OLIVER  
 Lt. Governor

MATTHEW J. PLATKIN  
 Acting 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.

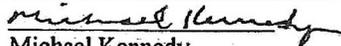
ANALYSIS DATE: 05/23/2022

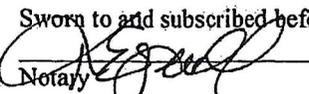
BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 22160

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1207 to 0.1223 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 May 9, 2024.

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

  
 Michael Kennedy  
 OFS Director  
 NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 26 day of May, 2022.  
  
 Notary

KAREN E. STAHL  
 NOTARY PUBLIC OF NEW JERSEY  
 Commission # 60110522  
 My Commission Expires 01/18/2024



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

**Francisco A. Hurtado**

**Breath Test Coordinator/Instructor**

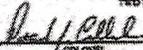
IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF

THE LAWS OF 1996 IN THE OPERATION OF THE **Alcotest 7110 MKIII-C**

A METHOD TO DETERMINE INTOXICATION

GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 29th DAY OF July

TWO THOUSAND AND Twenty One

  
COLONEL  
NEW JERSEY STATE POLICE

  
ACTING 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. 283B (Rev. 07/21)

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

**Francisco A. Hurtado**  
New Jersey State Police

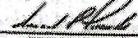
IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF

THE LAWS OF 1996 IN THE OPERATION OF THE **Alcotest 7110 MKIII-C**

A METHOD TO DETERMINE INTOXICATION

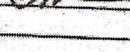
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 16th DAY OF September

TWO THOUSAND AND Sixteen

  
SUPERINTENDENT  
NEW JERSEY STATE POLICE

  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 12-6-18	Smyrna PD	
2. 8/13/20	Middletown PD	
3. 8/29/21	MCPD	
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 283B (Rev. 08/18)