

Alcotest 7110 Calibration Record

Equipment

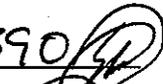
Alcotest 7110 MKIII-C
Location: PENNSAUKEN TWSP. P.D. Serial No.: ARUM-0051
Calibration File No.: 02418 Calib. Date: 03/01/2016 Calib. No.: 00030
Certification File No.: 02383 Cert. Date: 11/25/2015 Cert. No.: 00025
Linearity File No.: 02384 Lin. Date: 11/25/2015 Lin. No.: 00024
Solution File No.: 02415 Soln. Date: 02/20/2016 Soln. No.: 00243
Sequential File No.: 02418 File Date: 03/01/2016

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0338
Control Solution %: 0.100% Expires: 08/17/2017
Solution Control Lot: 15H143 Bottle No.: 0302

Coordinator

Last Name: GRUSEMEYER First Name: STEPHEN MI: M

Signature:  #6909 Badge No.: 6909
Date: 03/01/2016

*Black Key Temperature Probe Serial.....# DDXKP2-390 
*Digital NIST Temperature Measuring System Serial.....# 150734137 



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 Serial No.: ARUM-0051
Location: PENNSAUKEN TWSP, P.D.
Calibration File No.: 02418 Calib. Date: 03/01/2016 Calib. No.: 00030
Certification File No.: 02419 Cert. Date: 03/01/2016 Cert. No.: 00026
Linearity File No.: 02384 Lin. Date: 11/25/2015 Lin. No.: 00024
Solution File No.: 02415 Soln. Date: 02/20/2016 Soln. No.: 00243
Sequential File No.: 02419 File Date: 03/01/2016

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0338
Control Solution %: 0.100% Expires: 08/17/2017
Solution Control Lot: 15H143 Bottle No.: 0302

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	11:10S		
Control 1 EC	0.100%	11:11S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.101%	11:11S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:12S		
Control 2 EC	0.098%	11:12S	33.9°C	*** TEST PASSED ***
Control 2 IR	0.100%	11:12S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:13S		
Control 3 EC	0.098%	11:14S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	11:14S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:14S		

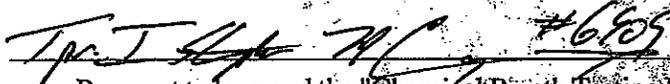
All tests within acceptable tolerance.

Coordinator

Last Name: GRUSEMEYER

First Name: STEPHEN

MI: M

Signature: 

Badge No.: 6909

Date: 03/01/2016

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.: 02418 **Calib. Date:** 03/01/2016 **Calib. No.:** 00030
Certification File No.: 02419 **Cert. Date:** 03/01/2016 **Cert. No.:** 00026
Linearity File No.: 02420 **Lin. Date:** 03/01/2016 **Lin. No.:** 00025
Solution File No.: 02415 **Soln. Date:** 02/20/2016 **Soln. No.:** 00243
Sequential File No.: 02420 **File Date:** 03/01/2016

Calibrating Unit: WET **Model No.:** CU-34 **Serial No.:** DDAE-0021
Control Solution %: 0.040% **Expires:** 08/11/2017
Solution Control Lot: 15H141 **Bottle No.:** 1052

Calibrating Unit: WET **Model No.:** CU-34 **Serial No.:** DDAE-0023
Control Solution %: 0.080% **Expires:** 08/13/2017
Solution Control Lot: 15H142 **Bottle No.:** 1055

Calibrating Unit: WET **Model No.:** CU-34 **Serial No.:** DDWF S3-0225
Control Solution %: 0.160% **Expires:** 08/05/2016
Solution Control Lot: 14H131 **Bottle No.:** 0863

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	11:27S		
Control 1 EC	0.042%	11:28S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.042%	11:28S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:29S		
Control 2 EC	0.042%	11:30S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.042%	11:30S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:31S		
Control 3 EC	0.082%	11:32S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.081%	11:32S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:34S		
Control 4 EC	0.081%	11:34S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	11:34S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:36S		
Control 5 EC	0.161%	11:36S	34.1°C	*** TEST PASSED ***
Control 5 IR	0.157%	11:36S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:38S		
Control 6 EC	0.160%	11:39S	34.1°C	*** TEST PASSED ***
Control 6 IR	0.157%	11:39S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:40S		

All tests within acceptable tolerance.

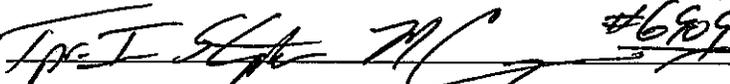
Coordinator

Last Name: GRUSEMEYER

First Name: STEPHEN

MI: M

Signature:



Badge No.: 6909

Date: 03/01/2016

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.:	ARUM-0051
Location:	PENNSAUKEN TWSP. P.D.	Calib. No.:	00030
Calibration File No.:	02418	Cert. Date:	03/01/2016
Certification File No.:	02419	Lin. Date:	03/01/2016
Linearity File No.:	02420	Soln. Date:	03/01/2016
Solution File No.:	02421	File Date:	03/01/2016
Sequential File No.:	02421		
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.100%	Serial No.:	DDUN S3-0338
Solution Control Lot:	14L135	Expires:	12/31/2016
		Bottle No.:	0070

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:48S		
Control 1 EC	0.101%	12:48S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	12:48S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:49S		
Control 2 EC	0.099%	12:50S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.101%	12:50S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:50S		
Control 3 EC	0.099%	12:51S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.101%	12:51S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:52S		

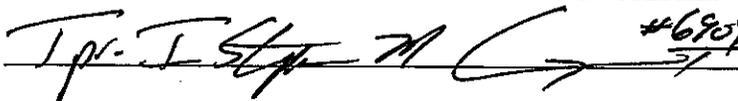
All tests within acceptable tolerance.

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: DDUT P2 - 143 (41)

Changed By:

Last Name: GRUSEMEYER First Name: STEPHEN MI: M

Signature:  Badge No.: 6909 Date: 03/01/2016



Dräger

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 Safety Diagnostics, Inc.

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

Serial Number:

DDUWS3-0338

Certification Date

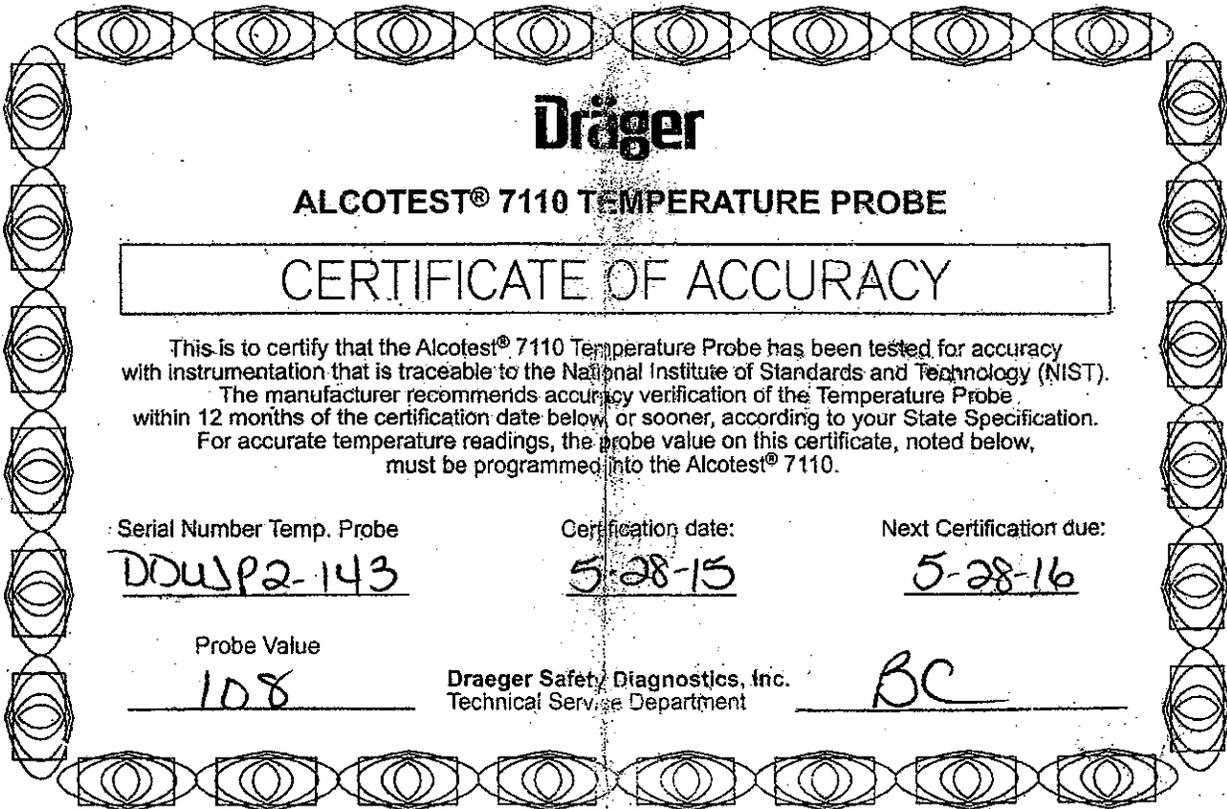
5-29-15

Technician

BC

Re-Certification Due Date

5-29-16



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 Specification. For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest® 7110.

Serial Number Temp. Probe

DDUWP2-143

Certification date:

5-28-15

Next Certification due:

5-28-16

Probe Value

108

Draeger Safety Diagnostics, Inc.
Technical Service Department

BC



Dräger

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 2/19/94 Notices)

Dräger Safety Diagnostics, Inc.

- Model: ALCOTEST[®] CU34
- Model: MARK IIA
- Other: _____

Serial Number:

DDAE - 0021

Certification Date

Technician

Re-Certification Due Date

8-18-15

[Signature]

8-18-16



Dräger

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 Safety Diagnostics, Inc.

- Model: ALCOTEST[®] CU34
- Model: MARK IIA
- Other: _____

Serial Number:

DDAE - 0023

Certification Date

Technician

Re-Certification Due Date

8-18-15

[Signature]

8-18-16



Dräger

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 Safety Diagnostics, Inc.

Model: ALCOTEST® CU34

Model: MARK IA

Other: _____

Serial Number:

DDWFS3-0225

Certification Date:

8-18-15

Technician

[Signature]

Re-Certification Due Date

8-18-16

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 Specification. For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest® 7110.

Serial Number Temp. Probe

DDVKP2-390

Certification date:

10-30-15

Next Certification due:

10-30-16

Probe Value

107

Dräger Safety Diagnostics, Inc.
Technical Service Department

72



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



Cert. No.: 4000-7110993

Calibrator
Certificate No. 1750.01

Traceable® Certificate of Calibration for Digital Thermometer

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

Instrument Identification:

Model: 6122D-601 S/N: 150734137 Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-256	B01375		
Temperature Probe	128	4/02/16	15-AOP2S-4D-1
Thermistor Module	A17118	3/03/16	1000371058
Temperature Calibration Bath TC-179	A48240		
Thermistor Module	A17118	3/03/16	1000371058
Temperature Probe	3039	4/02/16	15-AOP2S-2D-1
Temperature Calibration Bath TC-231	A79041		
Thermistor Module	A27129	11/04/15	1000365407
Temperature Probe	5202	11/19/16	6-CV9Y2-1-1
Temperature Calibration Bath TC-309	B9A444		
Thermistor Module	A27129	11/04/15	1000365407
Temperature Probe	5267	11/19/16	6-CV9Y0-1-1

Certificate Information:

Technician: 104 Procedure: CAL-06 Cal Date: 10/02/15 Due Date: 10/02/17
Test Conditions: 23.1°C 46.0 %RH 1016 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	+U	TUR
°C		N.A.		-0.001	0.091	Y	-0.051	0.049	0.013	3.8:1
°C		N.A.		24.999	25.000	Y	24.949	25.049	0.014	3.6:1
°C		N.A.		50.000	50.001	Y	49.950	50.050	0.014	3.8:1
°C		N.A.		100.002	100.002	Y	99.952	100.052	0.014	3.6:1

This instrument was calibrated using instruments traceable to National Institute of Standards and Technology.

A Test Data Entry Table of at least 4.1 is maintained on each instrument and is calibrated using the standard measurement uncertainty. In certain evaluation cases the instrument is tested 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 in a two-sided 95% confidence level. Tolerances or limits are based on test results falling within specified limits with no regulation by the user or by the manufacturer. The results cannot be used unless the instrument is calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal-Standard Coding: As Found/Instrument's Reading In Tol/In Tolerance/Min/Max/Acceptance Range +U/Expanded Measurement Uncertainty -U/Min Uncertainty Rep: 100/1000-1/Max/Min/2: Min - As Left/Nominal/Founded: - Tolerance; Max - As Left/Nominal/Founded: + Tolerance; Date-M/DD/YYYY

Nico Rodriguez
Nico Rodriguez, Quality Manager

Kevin Justice
Kevin Justice, 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 their accuracy as well, but can be affected by aging, temperature, shock and contamination.

Recalibration:

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

CONTROL COMPANY 4455 Rex Road Friendswood, TX 77546 USA
Phone 281 482-1714 Fax 281 482-8448 service@control3.com www.control3.com

Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (IAQ) American Association for Laboratory Accreditation, Certificate No. 1750-31.
Control Company is ISO 9001:2008 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT 01825 2105-AG-112L-79A.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MLA)



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

CHRIS CHRISTIE
 Governor

KIM GUADAGNO
 Lt. Governor

JOHN J. HOFFMAN
 Acting 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.

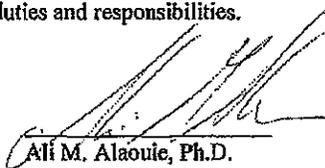
ANALYSIS DATE: 09/14/2015

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 15H143

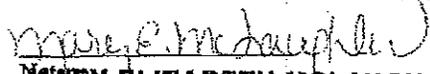
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1198 to 0.1226 grams per 100 milliliters of solution.

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 August 17, 2017.

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.


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

Sworn to and subscribed before me this 14th day of September, 2015.


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



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Governor

KIM GUADAGNO
Lt. Governor

JOHN J. HOFFMAN
Acting 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: 9/10/2015

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 15H141

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0478 to 0.0487 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 11, 2017.

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.

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

Sworn to and subscribed before me this 11th day of September, 2015.

Notary
MARY ELIZABETH MCLAUGHLIN

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



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Governor

KIM GUADAGNO
Lt. Governor

JOHN J. HOFFMAN
Acting Attorney General

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: Dräger Safety, Inc.

ANALYSIS DATE: 9/17/2015

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 15H142

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0959 to 0.0967 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 13, 2017.

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.

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

Sworn to and subscribed before me this 18th day of September, 2015.

Notary
MARY ELIZABETH MCLAUGHLIN
ID # 2052100
NOTARY PUBLIC
STATE OF NEW JERSEY
My Commission Expires Dec. 24, 2018



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CHRIS CHRISTIE
 Governor

JOHN J. HOFFMAN
 Acting Attorney General

KIM GUADAGNO
 Lt. Governor

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: 8/14/2014

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 14H131

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1925 to 0.1944 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 5, 2016.

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.

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

Sworn to and subscribed before me this 18th day of August, 2014.

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
 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

CHRIS CHRISTIE
 Governor

KIM GUADAGNO
 Lt. Governor

JOHN J. HOFFMAN
 Acting 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: Dräger Safety, Inc.

ANALYSIS DATE: 1/21/2015

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 14L135

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1212 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 December 31, 2016.

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.

Ali M. Alaoui, Ph.D.
 Research Scientist
 NISP Office of Forensic Sciences

Sworn to and subscribed before me this 22nd day of January, 2015.

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
 This is to certify that

Stephen M. Grutsemeyer
 New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF
 THE LAWS OF 1964 IN THE OPERATION OF THE Jeepster MKIII-C
 A METHOD TO DETERMINE INTOXICATION
 GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 28th DAY OF August

TWO THOUSAND AND Eight

[Signature]
 SUPERINTENDENT
 NEW JERSEY STATE POLICE

[Signature]
 ATTORNEY GENERAL
 STATE OF NEW JERSEY

ORIGINAL COURSE DATES

	DATE	Refresher Course PLACE	INSTRUCTOR
1.	6-22-10	GCPA	J. Sullivan
2.	11-20-12	SAYREVILLE PD	D. Tr...
3.	4-27-15	OCPA	Wm...
4.			
5.			
6.			
7.			
8.			
9.			

ORIGINAL COURSE DATES _____

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

S.P. 293B (Rev. 09/13)

DEPARTMENT OF
Traffic and Public Safety
 City of New Jersey

Stephen Gilschmeyer

Breath Test Coordinator-Instructor

IS QUALIFIED AND COMPETENT TO INSTRUCT IN THE STATE OF NEW JERSEY IN THE OPERATION OF THE

ALCOHOL TESTER MODEL 7110 MKIII-C

AS REQUIRED UNDER THE PROVISIONS OF N.J.A.C. 17:27, 17:28 AND 17:29 AT THE NEW JERSEY STATE POLICE TRAINING CENTER AND

28th day of September

Fifteen

[Signature]
 STEPHEN GILSCHEMYER
 NEW JERSEY STATE POLICE

[Signature]
 MICHAEL J. JARVIS
 STATE POLICE

This is to certify that

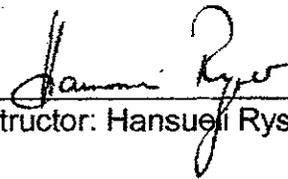
**Stephen M. Grusemeyer
New Jersey State Police**

Has successfully completed the two day Draeger Safety Diagnostics, Inc. Operator Training and Preventive Maintenance Course on the Dräger Alcotest® 7110 and is hereby certified as a qualified

A/DTU Coordinator

Completion of this course qualifies this individual to train and certify Operators in the proper use and operation as well as perform Preventive Maintenance on the Dräger Alcotest® 7110.

Date: September 29th, 2014



Instructor: Hansueli Ryser



CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lieutenant Governor

State of New Jersey
OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF CRIMINAL JUSTICE
PO BOX 085
TRENTON, NJ 08625-0085
TELEPHONE: (609) 984-6500

JOHN J. HOFFMAN
Acting Attorney General

ELIE HONIG
Director

September 28, 2015

Col. Joseph R. Fuentes, Superintendent
Division of State Police
Division Headquarters
P.O. Box 7068
West Trenton, New Jersey 08628

Re: Breath Test Coordinator/Instructor Certification -
Trooper II Stephen Grusemeyer #6909

Dear Col. Fuentes:

Pursuant to the provisions of N.J.A.C. 13:51-2.1(b) and (c), as adopted and promulgated under the provisions of N.J.S.A. 39:4-50.3, 39:3-10.25 and 12:7-56, I hereby approve Trooper II Stephen Grusemeyer #6909 as a duly certified Breath Test Coordinator/Instructor. This approval is effective immediately.

Very truly yours,

John J. Hoffman
Acting Attorney General

Trooper II Stephen Grusemeyer #6909, Alcohol/Drug Test Unit, Division of State Police
SFC Roberto Tormo #5322, Assistant Unit Supervisor, Alcohol/Drug Test Unit, Division
of State Police



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:

3-17-15

SERIAL NUMBER:

ARUM-0051

Dräger Safety Diagnostics, Inc.

PC

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.:	ARUM-0051
Location:	PENNSAUKEN TWSP. P.D.	Calib. No.:	00030
Calibration File No.:	02418	Cert. Date:	03/01/2016
Certification File No.:	02419	Lin. Date:	03/01/2016
Linearity File No.:	02420	Soln. Date:	04/19/2016
Solution File No.:	02454	File Date:	04/19/2016
Sequential File No.:	02454		
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.100%	Serial No.:	DDUN S3-0339
Solution Control Lot:	14F130	Expires:	06/20/2016
		Bottle No.:	0735

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	13:46D		
Control 1 EC	0.101%	13:46D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.102%	13:46D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:47D		
Control 2 EC	0.100%	13:47D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.101%	13:47D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:48D		
Control 3 EC	0.100%	13:49D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.101%	13:49D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:50D		

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.

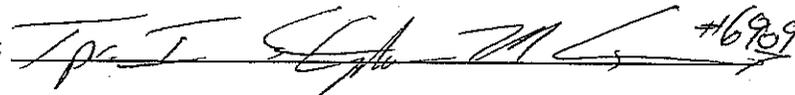
Temperature Probe Serial Number: DDUT P2-139 

Changed By:

Last Name: GRUSEMEYER

First Name: STEPHEN

MI: M

Signature:  #6909

Badge No.: 6909

Date: 04/19/2016



Dräger

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 Safety Diagnostics, Inc.

Model: ALCOTEST® CU34

Model: MARK IIA

Other: _____

Serial Number:

DDUN53-0339

Certification Date

3-21-16

Technician

BC

Re-Certification Due Date

3-21-17

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 Specification.

For accurate temperature readings, the probe value on this certificate, noted below, must be programmed into the Alcotest® 7110.

Serial Number Temp. Probe

DDUS Pa-139

Certification date:

3-21-16

Next Certification due:

3-21-17

Probe Value

101

Draeger Safety Diagnostics, Inc.
Technical Service Department

BC