

Alcotest 7110 Calibration Record

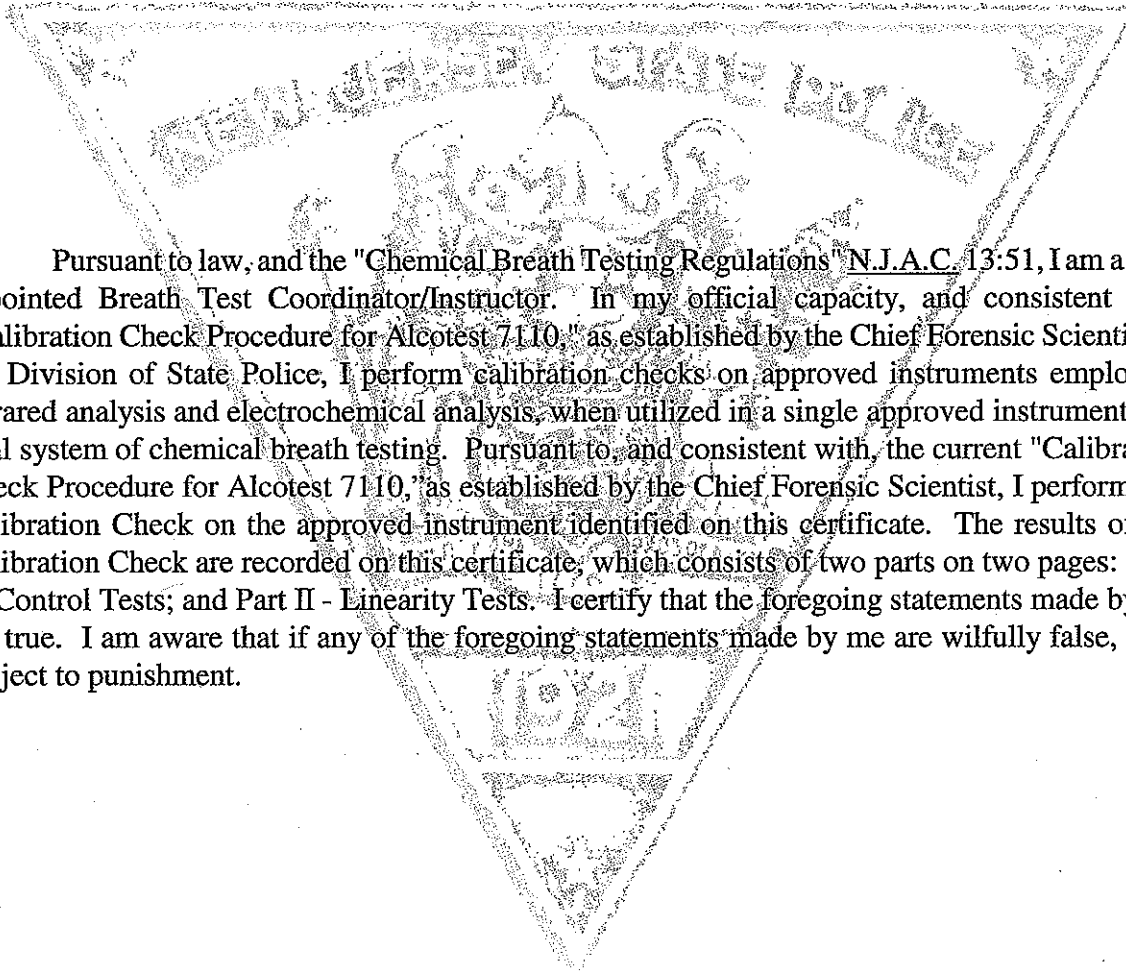
Equipment

Alcotest 7110 MKIII-C	Serial No.:	ARUM-0051
Location: PENNSAUKEN TWSP. P.D.		
Calibration File No.: 02382	Calib. Date: 11/25/2015	Calib. No.: 00029
Certification File No.: 02322	Cert. Date: 06/09/2015	Cert. No.: 00024
Linearity File No.: 02323	Lin. Date: 06/09/2015	Lin. No.: 00023
Solution File No.: 02379	Soln. Date: 11/15/2015	Soln. No.: 00237
Sequential File No.: 02382	File Date: 11/25/2015	
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.: 1194

Coordinator

Last Name: GRUSEMEYER First Name: STEPHEN MI: M
Signature: *[Handwritten Signature]* #6909 Badge No.: 6909
Date: 11/25/2015

*Black Key Temperature Probe Serial.....# DDXK P2 -390 *[Signature]*
*Digital NIST Temperature Measuring System Serial.....# 150734137 *[Signature]*



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.: 02382 Calib. Date: 11/25/2015 Calib. No.: 00029
Certification File No.: 02383 Cert. Date: 11/25/2015 Cert. No.: 00025
Linearity File No.: 02323 Lin. Date: 06/09/2015 Lin. No.: 00023
Solution File No.: 02379 Soln. Date: 11/15/2015 Soln. No.: 00237
Sequential File No.: 02383 File Date: 11/25/2015

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.: 1194

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:55S		
Control 1 EC	0.099%	11:56S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	11:56S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:57S		
Control 2 EC	0.099%	11:57S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	11:57S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:58S		
Control 3 EC	0.099%	11:58S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.097%	11:58S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:59S		

All tests within acceptable tolerance.

Coordinator

Last Name: GRUSEMEYER

First Name: STEPHEN

MI: M

Signature:

Tpr. II Stephen M. Grusemeyer #6909

Badge No.: 6909

Date: 11/25/2015

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.: 02382 Calib. Date: 11/25/2015 Calib. No.: 00029
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.: 02379 Soln. Date: 11/15/2015 Soln. No.: 00237
Sequential File No.: 02384 File Date: 11/25/2015

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.: 0447

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.: 0441

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.: 0784

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:14S		
Control 1 EC	0.042%	12:14S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.042%	12:14S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:16S		
Control 2 EC	0.042%	12:16S	34.1°C	*** TEST PASSED ***
Control 2 IR	0.042%	12:16S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:18S		
Control 3 EC	0.082%	12:18S	34.1°C	*** TEST PASSED ***
Control 3 IR	0.081%	12:18S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:20S		
Control 4 EC	0.081%	12:21S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.079%	12:21S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:22S		
Control 5 EC	0.161%	12:23S	34.1°C	*** TEST PASSED ***
Control 5 IR	0.158%	12:23S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:24S		
Control 6 EC	0.160%	12:25S	34.1°C	*** TEST PASSED ***
Control 6 IR	0.156%	12:25S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:26S		

All tests within acceptable tolerance.

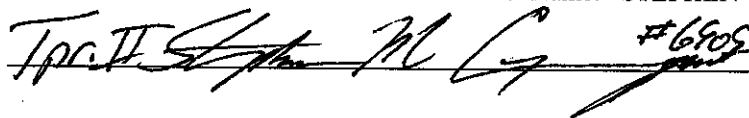
Coordinator

Last Name: GRUSEMEYER

First Name: STEPHEN

MI: M

Signature:



Badge No.: 6909

Date: 11/25/2015

Calibrating Unit


New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARUM-0051
Location:	PENNSAUKEN TWSP, P.D.	
Calibration File No.:	02382	Calib. Date: 11/25/2015
Certification File No.:	02383	Calib. No.: 00029
Linearity File No.:	02384	Cert. Date: 11/25/2015
Solution File No.:	02385	Cert. No.: 00025
Sequential File No.:	02385	Lin. Date: 11/25/2015
		Lin. No.: 00024
		Soln. Date: 11/25/2015
		Soln. No.: 00238
		File Date: 11/25/2015
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.: 0051

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	13:34S		
Control 1 EC	0.100%	13:34S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	13:34S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:35S		
Control 2 EC	0.099%	13:36S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	13:36S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:36S		
Control 3 EC	0.098%	13:37S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.098%	13:37S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:38S		

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.

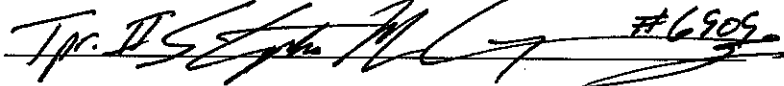
Temperature Probe Serial Number: DDW P2 -143 

Changed By:

Last Name: GRUSEMEYER

First Name: STEPHEN

MI: M

Signature:  #6909 Badge No.: 6909
Date: 11/25/2015



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 IIIA

Other: _____

Serial Number:

DDAE - 0021

Certification Date

8-18-15

Technician

J.P.C.

Re-Certification Due Date

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 IIIA

Other: _____

Serial Number:

DDAE - 0023

Certification Date

8-18-15

Technician

J.P.C.

Re-Certification Due Date

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

Technician

Re-Certification Due Date

8-18-15

[Signature]

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

Certification date:

Next Certification due:

DDCKP2-390

10-30-15

10-30-16

Probe Value

107

Dräger Safety Diagnostics, Inc.
Technical Services Department

72



Calibrator
Certificate No. 1750.01

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



Cert. No.: 4000-7110993

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: 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-A0P2S-40-1
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-A0P2S-20-1
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A27129	11/04/15	1000385407
Temperature Probe	5202	11/18/16	6-CV9Y2-1-1
Temperature Calibration Bath TC-300	B3A444		
Thermistor Module	A27129	11/04/15	1000385407
Temperature Probe	5267	11/18/16	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 1018 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	0.001	Y	-0.051	0.049	0.013	3.6:1
°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	3.6:1
°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 Uncertainty Table of at least 4.1 is maintained on each certificate issued and is calculated using the expanded measurement uncertainty. It certifies evaluation traces the instrument to defined 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 compliance with a 95% confidence level. The tolerance conditions are based on test results falling within specified limits with no recalculation 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 Setting; As Found-Instrument's Reading; In-Tol-In tolerance; Min/Max-Acceptance Range; +U-Expanded Measurement Uncertainty; TUR-Tolerance Ratio; Accuracy-1/Max-Min/2; Min - As Left Nominal (rounded); -Tolerance; Max - As Left Nominal (rounded); Tolerance; Date-M/DD/YY

Nick Rodriguez
Nick 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 little if at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory recalibration 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 281 482-9449 service@control3.com www.control3.com

Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (IAQAA) American Association for Laboratory Accreditation, Certificate No. 1750.01. Control Company is ISO 9001:2008 Quality Certified by (DNV) Det Norske Veritas, Certificate No. DEFT 01826.2306-AQ-1025-PA. International Laboratory Accreditation Cooperation (ILAC) - Mutual Recognition Arrangement (MRA)



CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

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

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.

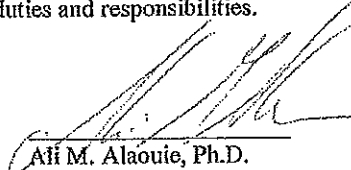
ANALYSIS DATE: 09/14/2015

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 15H143

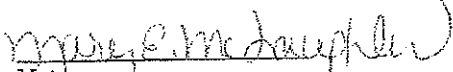
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1198 to 0.1226 grams per 100 milliliters of solution.

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. Alaoui, 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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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.

[Handwritten signature of Ali M. Alfaouie]

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

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

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



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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.

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

Sworn to and subscribed before me this 14th day of August, 2014.

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



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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: 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.

[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 23rd day of January, 2015.

[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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DEPARTMENT OF
Law and Public Safety
 This is to certify that

Stephen M. Grusemeyer
 New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF
 THE LAWS OF 1966 IN THE OPERATION OF THE Geotest 7110 MKIII-C
 A METHOD TO DETERMINE INTOXICATION
 GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 28th DAY OF August

TWO THOUSAND AND Eight


 SUPERINTENDENT
 NEW JERSEY STATE POLICE


 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	SAYRAVILLE PD	R. 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. 00/13)

DEPARTMENT OF
Traffic and Public Safety
This is to certify that

Stephen Grubmeyer
Breath Test Coordinator/Instructor

IS QUALIFIED AND CAPABLE TO INSTRUCT IN THE OPERATION OF THE
T.T. LANSING 7110 MKIII-C
ALCOHOLIC BREATH TESTER
AS SET FORTH IN THE OPERATING MANUAL
SERIALIZED BY HONORARY DEPUTY JAMES E. ... 28th ... September
19... AND ... Fifteen

[Signature]
SUPERVISOR
NEW JERSEY STATE POLICE

[Signature]
ADJUTANT GENERAL
STATE OF NEW JERSEY



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

- c. 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



This is to certify that

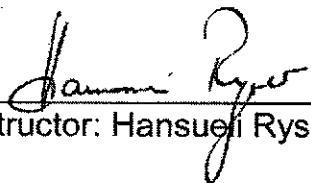
Stephen M. Grusemeyer
New Jersey State Police

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

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:

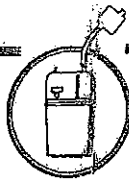
3-17-15

SERIAL NUMBER:

ARUM-0051

Draeger Safety Diagnostics, Inc.

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 12/19/94 Notices)

Draeger Safety Diagnostics, Inc.

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

Serial Number:

DDUNS3-0338

Certification Date

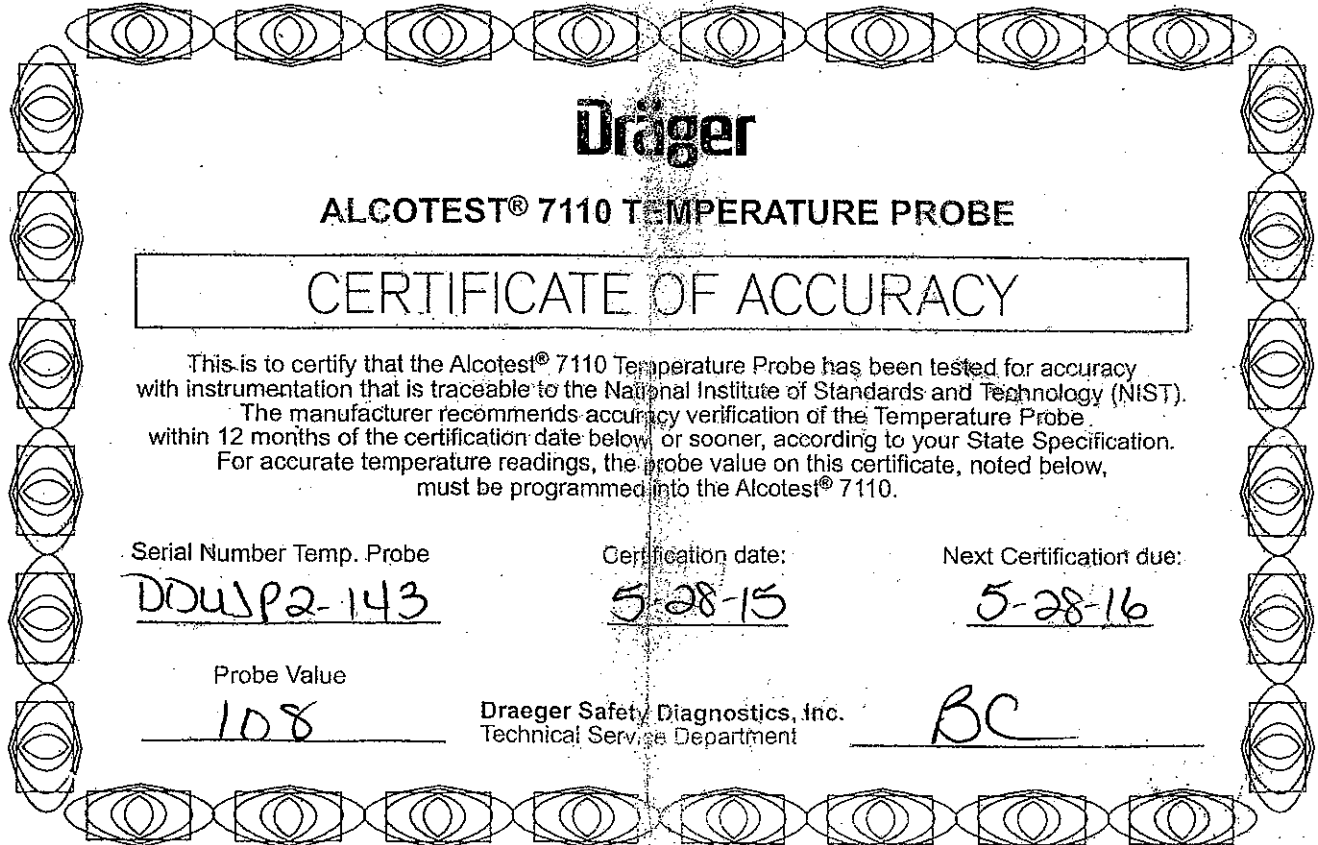
5-29-15

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

DDUSP2-143

Certification date:

5-28-15

Next Certification due:

5-28-16

Probe Value

108

Draeger Safety Diagnostics, Inc.
Technical Service Department

BC