# $\frac{ALCOTEST\ CERTIFICATIONS\ INDEX}{4\text{-}24\text{-}2020}$

### **ARWF-0394**

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Dennis J. Lutz
Dweeth West C. 11 1 W.
Breath Test Coordinator/Instructor
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State of Nem 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

OURBIR S. GREWAL.
Attorney General

PATRICK J. CALLAHAN
Colonel

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.

PHILIP D. MURPHY

Governor

SHEILA Y. OLIVER

Lt. Governor

**ANALYSIS DATE: 07/31/2018** 

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18220

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of  $\underline{0.1210}$  to  $\underline{0.1233}$  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 <u>July 23, 2020</u>.

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 1st day of Accest, 2018

Notary

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

PHILIP D. MURPHY Governor

SHEILA Y. OLIVER

OFFICE OF THE ATTORNEY GENERAL
DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
POST OFFICE BOX 7068
WEST TRENTON, NJ 98628-0068
(609) 882-2000

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 Safety, Inc.

**ANALYSIS DATE: 08/28/2018** 

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18240

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of <u>0.0486</u> to <u>0.0489</u> grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traccable 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 31, 2020.

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 29 day of August

MARY ELIZABETH MCLAUGHLIN

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### State of New Jersey

PHILIP D. MURPHY Gavernor

SHEILA Y, OLIVER Lt. Governor

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

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 Safety, Inc.

**ANALYSIS DATE: 08/30/2018** 

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18250

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0976 to 0.0987 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 06, 2020.

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

> shoel Hermandy Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this Hoday of Scotlinger, 2018, May E. Medauphi

MARY ELIZABETH MCLAUGHLIN

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



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State of New Jersey

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Governor

SHEILA Y. OLIVER
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GURBIR S. GREWAL
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 Safety, Inc.

ANALYSIS DATE: 09/13/2018

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 18260

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of <u>0.1938</u> to <u>0.1964</u> grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is August 21, 2020.

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

Michael Kennedy

Assistant Chief Forensic Scientist NJSP Office of Forensic Sciences

Sworn to and subscribed before me this 15- day of Systembox 2018.

Notary

Notary

MARY ELIZABETH MCLAUGHLIN

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



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



Cert. No.: 4000-10177848

### Traceable® Certificate of Calibration for Digital Thermometer

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

Instrument Identification:

Model: 61220-601,

S/N: 191959029

Manufacturer: Control Company

Standards/Equipment:			
Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath	93139		
Thermistor Module	A17118	20 Apr 2019	1000424560
Thermistor Module	A27129	10 Jan 2020	1000436202
Temperature Calibration Bath	A73332		1000400202
Temperature Probe	3039	08 May 2019	6-B7F4L-20-1
Temperature Calibration Bath	A79341		5 2 1 12 25 1
Temperature Probe	5394	29 Jan 2020	B9124038
Temperature Calibration Bath	B16388		
Temperature Probe	5267	28 Jan 2020	B9124036

Certificate Information:

Technician: 104

Procedure: CAL-06

Cal Date: 13 Feb 2019

Cal Due Date: 13 Feb 2021

Test Conditions: 38.85%RH 24.21°C 1023mBar 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.		-0.002	0.001	Υ	-0.052	0.048	0.0087	>4:1
°C	N.A.	N.A.		24.999	25.000	Υ	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.		100.000	100.002	Υ	99.95	100.05	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=Slandard'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;

Rical Rodriguez

Nicol Rodriguez, Quality Manager

Aaron Judice, Technical Manage

#### 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.

#### Recalibration:

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

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

Control Company is an ISO/IEC 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.

Control Company is ISO 9001:2008 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-RvA.

International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

ITEM 6 a



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



Cert. No.: 4000-10177848

Traceable® Certificate of Calibration for Digital Thermometer

## 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.

d	Mode	· Δ	CO	FST	<b>CU34</b>
V	MOGE	I. AL	$\cdot$		0004

O Model: MARK IIA

O X-Cal 2000 (Alcosim)

Other:

Certification Date:

7-18-19

BS

Technician:

Serial Number:

DDS53-000/

Re-Certification Due Date:

7-18-20



## 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	1					
	0	Madal.	MIC	OTE	CTC	NIIO A

O Model: MARK IIA

X-Cal 2000 (Alcosim)Other:

Certification Date:

-1819

Technician:

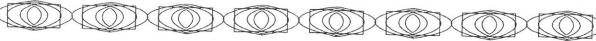
BS

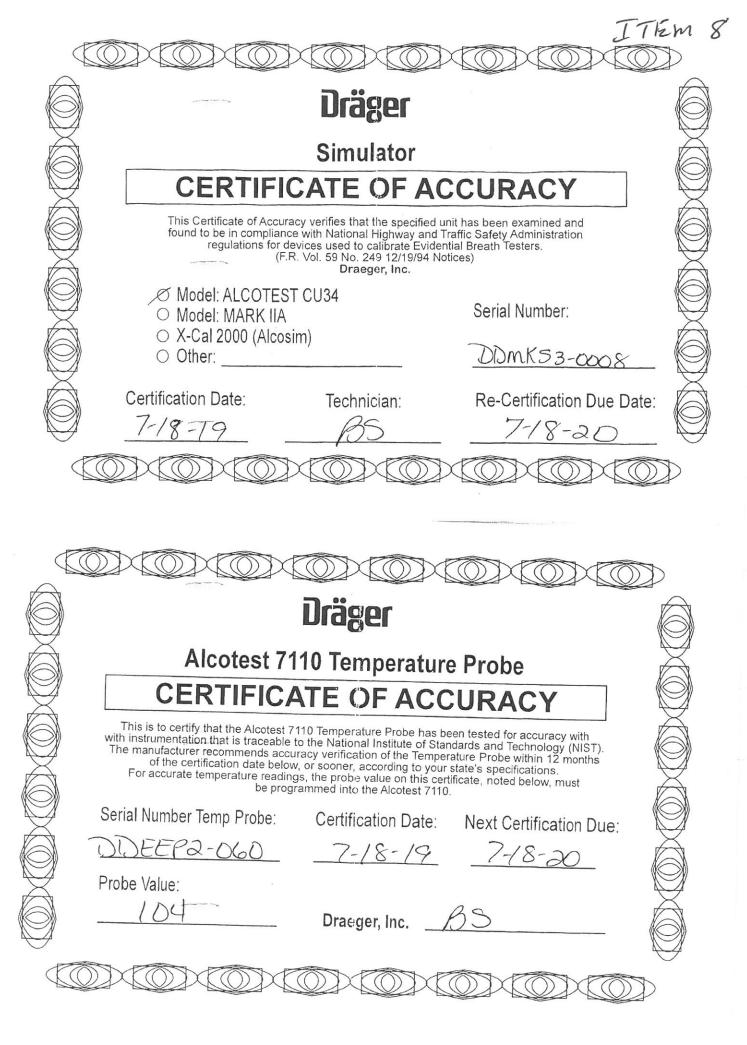
Serial Number:

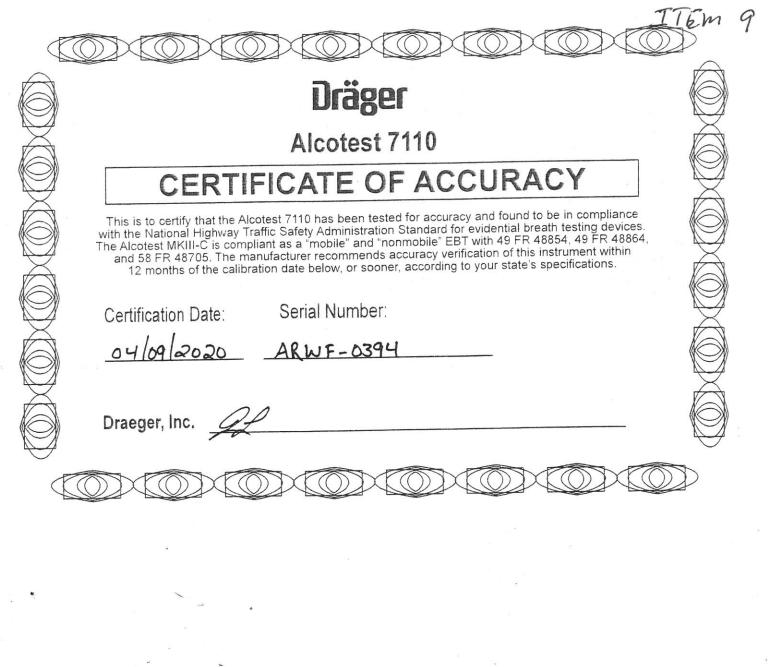
DDXC53-0020

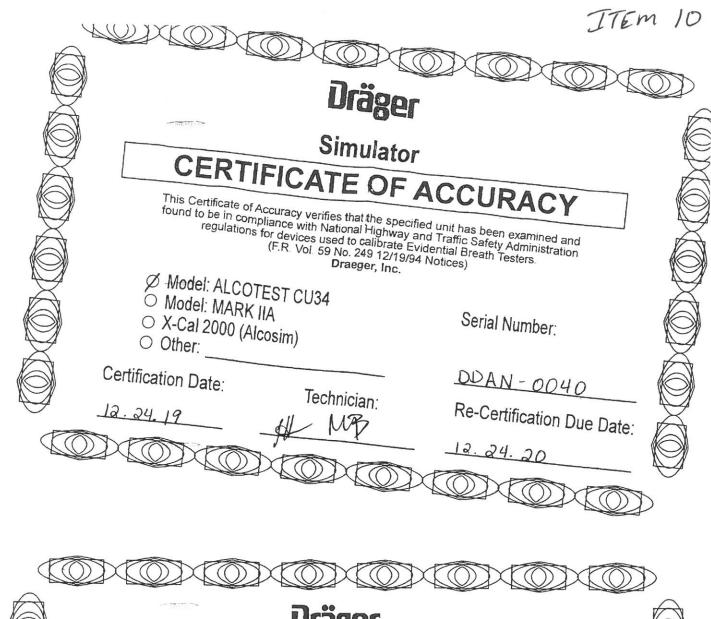
Re-Certification Due Date:

7-18-20









## Dräger

## Alcotest 7110 Temperature Probe

## CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 7110 Temperature Probe has been tested for accuracy with 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 711,0

be programmed into the Alcotest 711,0						
Serial Number Temp Probe:	Certification Date:	Next Certification Due:				
DDXK P2-444	12/24/2019	12/24/2020				
Probe Value:						
105	Draeger, Inc.					

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

TP( I Dennis J Lutz	7045
Name	Badge No.

Equipment:

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%	DDSC 53-0001	07:55 D	08:571)	34.0°C
0.08%	DDXC 53 - 0020	07:55 D	08:57 D	34.0°C
0.10%	DDAN-0040	07:55 D	08:28D	34.0°C
0.16%	DDMK53-0068	07:55 D	08:59 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 NISTtraceable Temperature Measuring System thermometer. I am aware that if any of the foregoing statements made by me are willfully false, Jam subject to punishment.

ITEM 12

#### Alcotest 7110 Calibration Record

02/18/2020

04/24/2020

Equipment

Alcotest 7110 MKIII-C

TOMS RIVER P.D.

01845

Calibration File No.: Certification File No.: 01827 Linearity File No.: 01828

Solution File No.: 01843 01845 Sequential File No.:

Calibrating Unit: WET Control Solution %: 0.100% Solution Control Lot: 18220

Lin. Date:

File Date:

Model No.: CU-34

Calib. Date: 04/24/2020

Cert. Date: 02/18/2020

Soln. Date: 04/09/2020

Serial No.: DDAN-0040 Expires: 07/23/2020

Serial No.: ARWF-0394

Calib. No.: 00049

Cert. No.: 00035

Lin. No.: 00035 Soln. No.: 00302

Bottle No.: 1100

Coordinator

Location:

Last Name: LUTZ

First Name: DENNIS

Badge No.: 7045

Date:

04/24/2020

MI: J

\*Black Key Temperature Probe Serial.....# DDEEP

\*Digital NIST Temperature Measuring System Serial.....#

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 L- Control Tests

Equipment Location:	Alcotest 7110 MKIII-C TOMS RIVER P.D.		Serial No.: ARWF-0394
Calibration File No.:	01845	Calib. Date: 04/24/2020	Calib. No.: 00049
Certification File No .:	01846	Cert. Date: 04/24/2020	Cert. No.: 00036
Linearity File No.:	01828	Lin. Date: 02/18/2020	Lin. No.: 00035
Solution File No.:	01843	Soln. Date: 04/09/2020	Soln. No.: 00302
Sequential File No.:	01846	File Date: 04/24/2020	
	11.		
Calibrating Unit:	WET	Model No.: CU-34	Serial No.: DDAN-0040
Control Solution %:	0.100%		Expires: 07/23/2020
Solution Control Lot:	18220		Bottle No.: 1100
Function	Result	Time Temperature	Comment(s)
	%BAC	HH:MM Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:07D	
Control 1 EC	0.099%	09:08D 33.9°C	*** TEST PASSED ***
Control 1 IR	0.099%	09:08D 33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:08D	
Control 2 EC	0.099%	09:09D 33.9°C	*** TEST PASSED ***
Control 2 IR	0.099%	09:09D 33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:10D	
Control 3 EC	0.099%	09:10D 33.9°C	*** TEST PASSED ***
Control 3 IR	0.099%	09:10D 33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:11D	

All tests within acceptable tolerance.

Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

Signatura

7045

Badge No.: 7045

Date:

04/24/2020

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.

ITEM 14

## **Alcotest 7110 Calibration Certificate** Part II - Linearity Tests

Equipment Location: Calibration File No.: Certification File No.: Linearity File No.: Solution File No.: Sequential File No.:	Alcotest 7114 TOMS RIVE 01845 01846 01847 01843 01847		Cert. Date:	04/24/2020 e: 04/09/2020	Serial No.: Calib. No.: Cert. No.: Lin. No.: Soln. No.:	00036 00036
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.040% 18240		Model No	.: CU-34	Serial No.: Expires: Bottle No.:	DDSC S3-0001 07/31/2020 0929
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.080% 18250		Model No.	: CU-34	Serial No.: Expires: Bottle No.:	DDXC S3-0020 08/06/2020 1293
Calibrating Unit: Control Solution %: Solution Control Lot:	WET 0.160% 18260		Model No.	: CU-34		DDMK \$3-0008 08/21/2020 0689
Function		Result	Time	Temperature	Comn	nent(s)
2 (2/2) 5 5		%BAC	HH:MM	Simulator (°C)	or En	
Ambient Air Blank		0.000%	09:29D			01(0)
Control 1 EC		0.041%	09:29D	33.9°C	*** TFST P	ASSED ***
Control 1 IR		0.040%			ILUII.	
Ambient Air Blank			09:29D	33.9°C		
0 10 00		0.000%	09:31D	33.9°C	*** TEST P	
Control 2 EC		$0.000\% \\ 0.040\%$	09:31D 09:31D	33.9°C	*** TEST P	ASSED ***
Control 2 IR		0.000% 0.040% 0.041%	09:31D 09:31D 09:31D		*** TEST P	ASSED *** ASSED ***
Control 2 IR Ambient Air Blank		0.000% 0.040% 0.041% 0.000%	09:31D 09:31D 09:31D 09:33D	33.9°C 33.9°C	*** TEST P	ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC		0.000% 0.040% 0.041% 0.000% 0.082%	09:31D 09:31D 09:31D 09:33D 09:33D	33.9°C 33.9°C	*** TEST P	ASSED *** ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR		0.000% 0.040% 0.041% 0.000% 0.082% 0.080%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D	33.9°C 33.9°C	*** TEST P.  *** TEST P.  *** TEST P.	ASSED *** ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D	33.9°C 33.9°C 33.9°C 33.9°C	*** TEST P.  *** TEST P.  *** TEST P.  *** TEST P.	ASSED *** ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.082%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D	33.9°C 33.9°C 33.9°C 33.9°C	*** TEST P.	ASSED *** ASSED *** ASSED *** ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.082% 0.081%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D	33.9°C 33.9°C 33.9°C 33.9°C	*** TEST P.	ASSED *** ASSED *** ASSED *** ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR Ambient Air Blank		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.082% 0.081% 0.000%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D 09:37D	33.9°C 33.9°C 33.9°C 33.9°C 33.9°C	*** TEST P.	ASSED *** ASSED *** ASSED *** ASSED *** ASSED *** ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR Ambient Air Blank Control 5 EC		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.082% 0.081% 0.000% 0.161%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D 09:37D	33.9°C 33.9°C 33.9°C 33.9°C 33.9°C 33.9°C	*** TEST P.	ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR Ambient Air Blank Control 5 EC Control 5 IR		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.082% 0.081% 0.000% 0.161% 0.159%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D 09:37D 09:37D 09:37D	33.9°C 33.9°C 33.9°C 33.9°C 33.9°C	*** TEST P.	ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR Ambient Air Blank Control 5 EC Control 5 IR Ambient Air Blank		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.081% 0.000% 0.161% 0.159% 0.000%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D 09:37D 09:37D 09:37D 09:39D	33.9°C 33.9°C 33.9°C 33.9°C 33.9°C 34.0°C 34.0°C	*** TEST P.	ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR Ambient Air Blank Control 5 EC Control 5 IR Ambient Air Blank Control 6 EC		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.081% 0.000% 0.161% 0.159% 0.000% 0.160%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D 09:37D 09:37D 09:37D 09:37D 09:39D	33.9°C 33.9°C 33.9°C 33.9°C 33.9°C 34.0°C 34.0°C 33.9°C	*** TEST P.  *** TEST P.	ASSED ***
Control 2 IR Ambient Air Blank Control 3 EC Control 3 IR Ambient Air Blank Control 4 EC Control 4 IR Ambient Air Blank Control 5 EC Control 5 IR Ambient Air Blank		0.000% 0.040% 0.041% 0.000% 0.082% 0.080% 0.000% 0.081% 0.000% 0.161% 0.159% 0.000%	09:31D 09:31D 09:31D 09:33D 09:33D 09:33D 09:35D 09:35D 09:35D 09:37D 09:37D 09:37D 09:39D	33.9°C 33.9°C 33.9°C 33.9°C 33.9°C 34.0°C 34.0°C	*** TEST P.	ASSED ***

All tests within acceptable tolerance.

Coordinator

Last Name: LUTZ

Badge No.: 7045

Date:

04/24/2020

MI: J

## **Calibrating Unit New Standard Solution Report**

Equipment Location:	Alcotest 7110 TOMS RIVE				Serial No.: ARWF-0394
Calibration File No.:	01845		Calib. Date	e: 04/24/2020	Calib. No.: 00049
Certification File No .:	01846		Cert. Date:	: 04/24/2020	Cert. No.: 00036
Linearity File No.:	01847		Lin. Date:	04/24/2020	Lin. No.: 00036
Solution File No.:	01848		Soln. Date	: 04/24/2020	Soln. No.: 00303
Sequential File No.:	01848		File Date:	04/24/2020	
Calibrating Unit:	WET		Model No.	: CU-34	Serial No.: DDAN-0040
Control Solution %:	0.100%				Expires: 09/09/2021
Solution Control Lot:	19240				Bottle No.: 0161
Function		Result	Time	Temperature	Comment(s)
		Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank					
Ambient Air Blank Control 1 EC		%BAC	HH:MM		
Ambient Air Blank Control 1 EC Control 1 IR		%BAC 0.000% 0.100% 0.099%	HH:MM 10:55D	Simulator (°C)	or Error(s)
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank		%BAC 0.000% 0.100% 0.099% 0.000%	HH:MM 10:55D 10:56D	Simulator (°C) 33.9°C 33.9°C	or Error(s)  *** TEST PASSED ***
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank Control 2 EC		%BAC 0.000% 0.100% 0.099% 0.000% 0.099%	HH:MM 10:55D 10:56D 10:56D	Simulator (°C) 33.9°C	or Error(s)  *** TEST PASSED ***
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank Control 2 EC Control 2 IR		%BAC 0.000% 0.100% 0.099% 0.000% 0.099% 0.100%	HH:MM 10:55D 10:56D 10:56D 10:56D	Simulator (°C) 33.9°C 33.9°C	or Error(s)  *** TEST PASSED ***  *** TEST PASSED ***
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank Control 2 EC Control 2 IR Ambient Air Blank		%BAC 0.000% 0.100% 0.099% 0.000% 0.099%	HH:MM 10:55D 10:56D 10:56D 10:56D 10:57D	Simulator (°C) 33.9°C 33.9°C 33.9°C	or Error(s)  *** TEST PASSED ***  *** TEST PASSED ***  *** TEST PASSED ***
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank Control 2 EC Control 2 IR Ambient Air Blank Control 3 EC		%BAC 0.000% 0.100% 0.099% 0.000% 0.100% 0.000% 0.099%	HH:MM 10:55D 10:56D 10:56D 10:56D 10:57D 10:57D	Simulator (°C) 33.9°C 33.9°C 33.9°C	or Error(s)  *** TEST PASSED ***  *** TEST PASSED ***  *** TEST PASSED ***
Ambient Air Blank Control 1 EC Control 1 IR Ambient Air Blank Control 2 EC Control 2 IR Ambient Air Blank		%BAC 0.000% 0.100% 0.099% 0.000% 0.100% 0.000%	HH:MM 10:55D 10:56D 10:56D 10:56D 10:57D 10:57D 10:58D	Simulator (°C) 33.9°C 33.9°C 33.9°C 33.9°C	or Error(s)  *** TEST PASSED ***  *** TEST PASSED ***  *** TEST PASSED ***  *** TEST PASSED ***

All tests within acceptable tolerance.

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

Temperature Probe Serial Number: DD XX P2 -

Changed By:

Last Name: LUTZ

MI: J

Badge No.: 7045 Date:

04/24/2020



State of New Hersey

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

GURBIR S. GREWAL Attorney General

PATRICK J. CALLAHAN Colonel

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

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

MANUFACTURER: Draeger Safety, Inc.

**ANALYSIS DATE: 09/19/2019** 

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 19240

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1209 to 0.1240 grams per 100 milliliters of solution.

This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-4.3, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is September 09, 2021.

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

becribed before me this <u>He</u> day of <u>September</u>, 2019.

PHILIP D. MURPHY

Governor

SHEILA Y. OLIVER

Lt. Governor

KAREN E. STAHL NOTARY PUBLIC OF NEW JERSEY Commission # 50110522 My Commission Expires 8/13/2024



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New Jersey Is An Equal Opportunity Employer Printed on Recycled Paper and Recyclobic



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MICHAEL A. DEROSA  TOTHE RIVET TOWNShID  MICHAEL AND COMPETENT TO CONDUCT CHAMICAL DRAFT HANDLESS PURELY ANTIQUARYER HAD DEPARTMENT OF THE UNDERSTOND HEW JERSEYSHIP.  ALCOLEST 7110 MKIII-C  METHOD TO DETERMINE MEDICATION.  AND HAD ATTREMEDIAND AND FILTERST.  AND DAY OF FEDTURATY  AND HADD ATTREMEDIAND AND FILTERST.  DEPARTMENT OF  THE LAWS OF INC. HITHER OPERATION OF THE ACCOUNT CHAMICAL BRATTH ANALYSES PURSUANT TO CHAPTER 162 OF  THE LAWS OF INC. HITHER OPERATION OF THE ACCOUNT CHAMICAL BRATTH ANALYSES PURSUANT TO CHAPTER 162 OF  A METHOD TO DETERMINE HITOKICATION.  DIVEN UNDER MY HAND ATTREMEDIA. HEW JERSEY THIS SED. DAY OF A DETAIL	ORIGINAL COURSE DATES 04/13/2009 - ORIGINAL COURSE DATES	STRUCTOR CTOSS
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MICHAEL A. DEROSA  TOTHE KIVET TOWNShID  SOUNLIPIED AND COMPETENT TO CONDUCT CHEMICAL BRANTH ANALYSES PURSUANT TO CHAPTER HE DE ALCOHOL THE MANDET HE DESTRUMENT OF THE MAND ATTREMED AND FILTERST  ASCHIOLATION OF HELL STATE FOLICI  DEPARTMENT OF  RELAWS OF HIS HITTO CONDUCT CHEMICAL BRANTH ANALYSES PURSUANT TO CHAPTER HE DISTANCE OF THE MANDET TO CONDUCT CHEMICAL BRANTH ANALYSES PURSUANT TO CHAPTER HE DISTANCE OF THE PROPERTY OF THE CHAPTER HE DISTANCE OF THE MANDET THE CHAPTER HE DISTANCE OF THE CHAPTER HE DIS	ORIGINAL COURSE DATES  DATE  PLACE  1. 02/11/2014  Lakehurst  2. 2-77-16  LAKEHURST  4. 5. 6. 7. 8. 9. S.P. 2938 (Rev. 00/13)  ORIGINAL COURSE DATES  Retreater Course PLACE  INT.  PLACE  INT.  PLACE  INT.  1. 23-14  LAKEHURST  LAKE	STRUCTOR CTOSS
MICHAEL A. DEROSA  TOTHE RIVET TOWNShID  MICHAEL AND COMPETENT TO CONDUCT CHAMICAL DRAFT HANDLESS PURELY ANTIQUARYER HAD DEPARTMENT OF THE UNDERSTOND HEW JERSEYSHIP.  ALCOLEST 7110 MKIII-C  METHOD TO DETERMINE MEDICATION.  AND HAD ATTREMEDIAND AND FILTERST.  AND DAY OF FEDTURATY  AND HADD ATTREMEDIAND AND FILTERST.  DEPARTMENT OF  THE LAWS OF INC. HITHER OPERATION OF THE ACCOUNT CHAMICAL BRATTH ANALYSES PURSUANT TO CHAPTER 162 OF  THE LAWS OF INC. HITHER OPERATION OF THE ACCOUNT CHAMICAL BRATTH ANALYSES PURSUANT TO CHAPTER 162 OF  A METHOD TO DETERMINE HITOKICATION.  DIVEN UNDER MY HAND ATTREMEDIA. HEW JERSEY THIS SED. DAY OF A DETAIL	ORIGINAL COURSE DATES  DATE PLACE 1. 02/11/2014 Lakehurst 2. 2-17-16 LAKEHURST LAM 4. 5. 6. 7. 8. 9. S.P. 2938 (Rev. 00/13)  ORIGINAL COURSE DATES PLACE 1. 1-23-14 LAKEHURST LAM 2. 3/11/12 LAKEHURST LAM 4. 5. 6. 7. 8. 9. 8. 9. 8. 9. 8. 9. 8. 9. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	STRUCTOR CTOSS

DEPARTMENT OF  THE LAWSON IMM IN THE OPERATION OF THE  AMENIOD TO DETERMINE INTOXICATION.  DIVEN UNDER MY HAND AT TRINTON, NEW JERSEY THE AMENICATION.  DIVEN UNDER MY HAND AT TRINTON, NEW JERSEY THE AMENICATION.  SUPERINTENDENT  NEW JERSEY STATE POLICE  DEPARTMENT OF  ALL STATE OF NEW JERSEY  ATTORNEY CENTRAL  STATE OF NEW JERSEY  STATE OF NEW JERSEY  STATE OF NEW JERSEY	ORIGINAL COURSE DATES  Refresher Course PLACE  1. /-18-11  OCPA  WM has  2.1-22-13  OCPA  WM has  3.2-4-15  OCPA  WM has  4.4/11/17  DXFHURST  LWM has  S. 4-15-19  LAKEHURST  LWM has  S. 5-2938 (Rev. 07/07)
BEID M. Doyle  BEID M. Doyle  Toms River Township  Is qualified and competent to conduct chemical errath analyses pursuant to charter in of the Laws of 1900 in the Operation of the Alcotest 7110 MKIII-C  A METHOD TO DETERMINE INTOXICATION. NEW JERSEYTHUS 22nd DAY OF October  THOS THOUSAND AND Nine  January Market Ma	Refresher Course PLACE  1. 2.2.11  OCPA  WM Lors  2. 2.7-13  OCPA  WM Lors  4. 4/6/17  LAKENUTST  6. 1/23/19  LAKENUTST  CLACE  1. 2.2.11  OCPA  WM Lors  6. 1/23/19  LAKENUTST  CLACE  S.P. 2838 (Rev. 07/07)
DEPARTMENT OF  THE HILL STEP  PASCAL M. GARIDAFORILA, JT.  TORIS RIVERTOW HSHIP  IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL PREAT ANALYSES PURSUANT TO CHAPTER HA  THE LAWS OF IMO IN THE OPERATION OF THE A METHOD TO DETERMINE INTOXICATION.  OVEN UNDER MY HAND AT TRENTON. NEW JERSECTIFIE.  BUPPLINTENDEN:  SUPERINTENDEN:  MEW JERSEY STATE POLICE  DEPARTMENT OF  ATTOMATICAL STATE OF NEW JERSEY  STATE OF NEW JERSEY STATE POLICE  THE STATE OF NEW JERSEY.  STATE OF NEW JERSEY.	ORIGINAL COURSE DATES  DATE. Retresher Course PLACE  1. 3/3/15  OC.PO  2. 4/DJ/17  3. 5/Q/19  2. 4/DJ/17  6. 6. 7. 8. 9. S.P. 2938 (Rev. 02/12)
DEPARTMENT OF  THE LAWS OF IMA IN THE OFFICE THE DISCRETE HALOS STATE OF THE LAWS OF IMA IN THE OFFICE THE DEPARTMENT TO CHAPTER 142 OF THE LAWS OF IMA IN THE OFFICE AND OF THE ACCOUNTS ACTION OF THE ACCOUNTS	ORIGINAL COURSE DATES  DATE  Retresher Course PLACE  INSTRUCTOR  Stanks  7/26/09  OCPA  WM Lan  1. 11-30-07  OCPA  WM Lan  S. 1-20-15  OCPA  WM Lan  S. 1-20-15  OCPA  WM Lan  MM Lan

DEPARTMENT OF  HILLIE STATE  ROBERT WESTFALL  STATE OF NEW JERSEY  STATE OF NEW JE	ORIGINAL COURSE DATES  Refresher Course PLACE 1. 2/8/2010 Ocean Co. P.A.  2. 1/5/11 OC.PA 3. /-29-/3 OC.PA 4. 3-Z-/5 OC.PA 5. L1/10/17 LAKENURST 7. 8. 9. SP. 2938 (Rev. 03/10)	Stanks  Cham Stanko  WM Gran  Wm Loran  Wm Loran
DEPARTMENT OF  ACLASTIC MILLIANS  THE CONDUCT CHEMICAL PRINTIN AND INSESS PURSUANT TO CHAPTER IAI OF  THE LAWS OF 1986 IN THE OPERATION OF THE INDUSTRIANT OF DEPARTMENT OF TWO THOUSAND AND ELEVEL  AUTHORITO TO DETERMINE INTOXICATION.  TWO THOUSAND AND ELEVEL  SUPERINTENDENT  TWO THOUSAND AND ELEVEL  AUTHORITO CORPORAT  STATE OF FAME JEEPSTY  STATE OF FAME JEEPSTY	ORIGINAL COURSE DATES  Refresher Course PLACE 1. 1/17/13 OCPA 2. /-22-15 OCPA 3. 4/26/17 LAVE HVDC 4. 1-24-19 LaKrhurst 5. 6. 7. 8.	Dagan Stranger Wm Gyns

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