Alcotest 7110 Calibration Record

Equipment Alcotest 7110 MKIII-C Serial No.: ARXA-0037

Location: WALL TOWNSHIP POLICE

Calib. Date: 03/29/2011 Calib. No.: 00011 Calibration File No.: 00393 Certification File No.: 00347 Cert. Date: 09/29/2010 Cert. No.: 00006 00348 09/29/2010 Lin. No.: 00006 Linearity File No.: Lin. Date: Soln. No.: 00075 00391 Soln. Date: 03/22/2011 Solution File No.:

Sequential File No.: 00393 File Date: 03/29/2011

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXB S3-114

 Control Solution %:
 0.100%
 Expires:
 06/14/2012

 Solution Control Lot:
 10F080
 Bottle No.:
 0890

Coordinator

Last Name: SNYDER First Name: THOMAS MI: J.

Signature: TR. I Thomas V. Smyden #5792 Badge No.: 5792
Date: 03/29/2011

*Black Key Temperature Probe Serial.....# DDXK P2-416 JSS

*Digital NIST Temperature Measuring System Serial.....# 101 685 673

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.: ARXA-0037

Location: WALL TOWNSHIP POLICE

Calib. No.: 00011 Calibration File No.: 00393 Calib. Date: 03/29/2011 Certification File No.: 00394 Cert. Date: 03/29/2011 Cert. No.: 00007 Linearity File No.: 00348 Lin. Date: 09/29/2010 Lin. No.: 00006 Solution File No.: 00391 Soln. Date: 03/22/2011 Soln. No.: 00075

Sequential File No.: 00394 File Date: 03/29/2011

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXB S3-114

Control Solution %: 0.100% Expires: 06/14/2012
Solution Control Lot: 10F080 Bottle No.: 0890

Function Result Time Temperature Comment(s) %BAC HH:MM Simulator (°C) or Error(s) 10:15S 11:150 Jg Ambient Air Blank 0.000% Control 1 EC 0.100% 10:15S 34.0°C *** TEST PASSED *** Control 1 IR 0.099% 10:15S 34.0°C *** TEST PASSED *** Ambient Air Blank 10:16S 0.000%Control 2 EC 34.0°C *** TEST PASSED *** 0.097% 10:17S Control 2 IR 0.099% 10:17S 34.0°C *** TEST PASSED *** Ambient Air Blank 0.000% 10:18S Control 3 EC 0.098% 10:18S 34.0°C *** TEST PASSED *** Control 3 IR 0.099% 34.0°C *** TEST PASSED *** 10:18S Ambient Air Blank 10:19SII:19b 5 0.000%

All tests within acceptable tolerance.

Coordinator

Last Name: SNYDER

Badge No.: 5792

Signature: TK. I Thomas Y. Smyder #5772 Date: 03/29/2011

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.

First Name: THOMAS

MI: J.

Alcotest 7110 Calibration Certificate Part II - Linearity Tests

Equipment Location:	Alcotest 7110 I WALL TOWN		CE		Serial No.: ARXA-0037	
Calibration File No.:	00393		Calib. Dat	te: 03/29/2011	Calib. No.: 00011	
Certification File No.:			Cert. Date	e: 03/29/2011	Cert. No.: 00007	
Linearity File No.:	00395		Lin. Date:		Lin. No.: 00007	
Solution File No.:	00391		Soln. Date		Soln. No.: 00075	
Sequential File No.:	00395		File Date:	03/29/2011		
Calibrating Unit:	WET		Model No	.: CU-34	Serial No.: DDRK \$3-0003	3
Control Solution %:	0.040%				Expires: 01/12/2012	
Solution Control Lot:	10A073				Bottle No.: 1117	
Calibrating Unit:	WET		Model No	.: CU-34	Serial No.: DDXD S3-0184	4
Control Solution %:	0.080%				Expires: 01/15/2012	
Solution Control Lot:	10A074				Bottle No.: 1117	
Calibrating Unit:	WET		Model No	.: CU-34	Serial No.: DDSC S3-0009)
Control Solution %:	0.160%				Expires: 01/21/2012	
Solution Control Lot:	10A075				Bottle No.: 1117	
Function		Result	Time	Temperature	Comment(s)	
		%BAC	HH:MM	Simulator (°C)	or Error(s)	
Ambient Air Blank		0.000%	10:29511:2			
Control 1 EC		0.041%	10:29S	34.0°C	*** TEST PASSED ***	
Control 1 IR		0.039%	10:29S	34.0°C	*** TEST PASSED ***	
Ambient Air Blank		0.000%	10:31S			
Control 2 EC		0.042%	10:31S	34.0°C	*** TEST PASSED ***	
Control 2 IR		0.039%	10:31S	34.0°C	*** TEST PASSED ***	
Ambient Air Blank		0.000%	10:33S			
Control 3 EC		0.081%	10:34S	33.9°C	*** TEST PASSED ***	
Control 3 IR		0.078%	10:34S	33.9°C	*** TEST PASSED ***	
Ambient Air Blank		0.000%	10:35S			
Control 4 EC		0.080%	10:36S	33.9°C	*** TEST PASSED ***	
Control 4 IR		0.080%	10:36S	33.9°C	*** TEST PASSED ***	
Ambient Air Blank		0.000%	10:38S			
Control 5 EC		0.162%	10:38S	34.0°C	*** TEST PASSED ***	
Control 5 IR		0.160%	10:38S	34.0°C	*** TEST PASSED ***	
Ambient Air Blank		0.000%	10:40S			
Control 6 EC		0.160%	10:41S	34.0°C	*** TEST PASSED ***	
Control 6 IR		0.160%	10:415	34.0°C	*** TEST PASSED ***	
Ambient Air Blank	(0.000%	10:42S :4	20 <i>IYD</i>		

All tests within acceptable tolerance.

Coordinator

Last Name: SNYDER First Name: THOMAS MI: J.

Signature: 170. I Shomas J. Snyder #5792 Badge No.: 5792
Date: 03/29/2011

Calibrating Unit New Standard Solution Report

Equipment Alcotest 7110 MKIII-C Serial No.: ARXA-0037

Location: WALL TOWNSHIP POLICE

Calib. Date: 03/29/2011 Calib. No.: 00011 Calibration File No.: 00393 Cert. No.: 00007 Cert. Date: 03/29/2011 Certification File No.: 00394 Lin. No.: 00007 00395 Lin. Date: 03/29/2011 Linearity File No.: Soln. No.: 00076 Solution File No.: 00396 Soln. Date: 03/29/2011

Sequential File No.: 00396 File Date: 03/29/2011

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXB S3-114

Control Solution %: 0.100% Expires: 12/16/2012
Solution Control Lot: 10L084 Bottle No.: 1207

Function Result Time **Temperature** Comment(s) Simulator (°C) or Error(s) %BAC HH:MM 11:51812:514 58 Ambient Air Blank 0.000% Control 1 EC 11:52S 34.0°C *** TEST PASSED *** 0.101% 34.0°C Control 1 IR 0.099%11:52S *** TEST PASSED *** Ambient Air Blank 0.000% 11:53S Control 2 EC 0.099%11:53S 34.0°C *** TEST PASSED *** Control 2 IR 34.0°C *** TEST PASSED *** 0.100%11:53S Ambient Air Blank 0.000%11:54S Control 3 EC 0.100%11:55S 34.0°C *** TEST PASSED *** Control 3 IR 0.099% 11:55S *** TEST PASSED *** 11:56S12:560 JS Ambient Air Blank 0.000%

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: NOWS P2-283

Changed By:

Last Name: SNYDER First Name: THOMAS MI: J.

Signature: 1R. I Thomas V. Snyder #5772 Badge No.: 5792
Date: 03/29/2011



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® (✓ Model: MARK IIA	Serial Number:	
Other:		DDRK 53 - 0003
Certification Date	Technician	Re-Certification Due Date
February 7, 2011	2M	February 7, 2012



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® (Model: MARK IIA	CU34	Serial Number:
Other:		DDXD 53 - 0184
Certification Date	Technician	Re-Certification Due Date
February 7, 2011	2·M	February 7, 2012



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® CU3 Model: MARK IIA	34	Serial Number:	
Other:	DDSC53-0009		
Certification Date	Technician	Re-Certification Due Date	
February 7, 2011	2M	February 7, 2012	







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



Certificate No. 1750.01

Cert. No.: 4000-2924450

Traceable® Certificate of Calibration for Digital Thermometer

Manufactured for and distributed by: VWR International, P.O. Box 2158, Secaucus, NJ 07094 U.S.A. Instrument Identification:

Model: 61220-601

S/N: 101685673

Manufacturer: Control Company

Standards/Equipment:

<u>Description</u>	Serial Number	<u>Due Date</u>	NIST Traceable Reference
Temperature Calibration Bath TC-179	A45240		
Thermistor Module	A17118	11/19/10	A9B21010
Temperature Probe	128	12/10/10	A9B23079
Temperature Calibration Bath TC-231	A79341		
Temperature Probe	3039	12/10/10	A9B23080-1
Temperature Calibration Bath TC-218	A73332		
Thermistor Module	A27129	7/09/10	1000264338
Temperature Probe	5202	3/11/11	B0310050
Temperature Calibration Bath TC-256	B01375		
Temperature Probe	157	7/27/10	A9708011-4

Certificate Information:

Technician: 68

Procedure: CAL-06

Cal Date: 5/17/10

Cal Due: 5/17/12

Test Conditions:

23.5°C

47.0 %RH 1017 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
°C		N.A.		0.002	-0.001	Y	-0.048	0.052	0.013	3.8:1
°C		N.A.		25.001	25.000	Y	24.951	25.051	0.013	3.8:1
°C		N.A.	1	60.002	60.000	Y	59.952	60.052	0.018	2.8:1
°C		N.A.	† 	100.000	99.999	Y	99.950	100.050	0.013	3.8:1

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

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

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

Yuse Lodriques
Nicol Rodriguez, Quality Manager

Williage Palvow Wallace Berry, Technical Manager

Maintaining Accuracy:

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

Recalibration:

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

CONTROL COMPANY 4455 Rex Road Friendswood, TX 77546 USA Phone 281 482-1714 Fax 281 482-9448 service@control3.com www.control3.com



CHRIS CHRISTIE Governor

Kim Guadagno 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

PAULA T. DOW 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 0.117 to 0.125 grams per 100 milliliters of solution.

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 7/8/2010

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 10F080

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>0.1197</u> to <u>0.1207</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. 13:51-3.4, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is June 14, 2012.

As Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

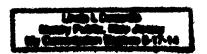
Ajit R. Tungare

Chief Forensic Scientist

Division of State Police

worn to and subscribed before me this day of Jul

, 2010.









CHRIS CHRISTIE 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

PAULA T. DOW 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 0.045 to 0.051 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc.

ANALYSIS DATE: 2/2/2010

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 10A073

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0479 to 0.0481 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. 13:51-3.4, 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 January 12, 2012.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

> enneth W. Kawalek, M.S Assistant Chief Forensic Scientist Division of State Police

Sworn to and subscribed before me this 2 day of February, 2010.







CHRIS CHRISTIE

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

PAULA T. DOW

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 0.094 to 0.099 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc.

ANALYSIS DATE: 2/3/2010

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 10A074

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0954 to 0.0958 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. 13:51-3.4, 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>January 15, 2012</u>.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

Kenneth W. Kalwalek, M.S. Assistant Chief Forensic Scientist

Division of State Police

Sworn to and subscribed before me this 19 day of Ishuay, 2010.

Notary

Unde L Descrite Notary Public, Now Jersey My Convintation Expires 8-17-14







CHRIS CHRISTIE 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

PAULA T. Dow Acting Attorney General

COLONEL JOSEPH R. FUENTES Superintendent

CERTIFICATION OF ANALYSIS 0.16 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.188 to 0.199 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc. **ANALYSIS DATE: 2/4/2010**

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 10A075

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1913 to 0.1919 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. 13:51-3.4, 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 January 21, 2012.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

> Assistant Chief Forensic Scientist Division of State Police

Sworm go and subscribed before me this 4 day of Filmery,









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® CUS Model: MARK IIA Other:	Serial Number:		
Certification Date 2-23-11	Technician	Re-Certification Due Date 2-23-12	

