

Alcotest 7110 Calibration Record

Equipment

Alcotest 7110 MKIII-C
Serial No.: ARWE-0027
Location: BLAIRSTOWN POLICE DEPT.
Calibration File No.: 00167 Calib. Date: 03/12/2010 Calib. No.: 00010
Certification File No.: 00149 Cert. Date: 09/28/2009 Cert. No.: 00007
Linearity File No.: 00150 Lin. Date: 09/28/2009 Lin. No.: 00007
Solution File No.: 00166 Soln. Date: 03/06/2010 Soln. No.: 00071
Sequential File No.: 00167 File Date: 03/12/2010

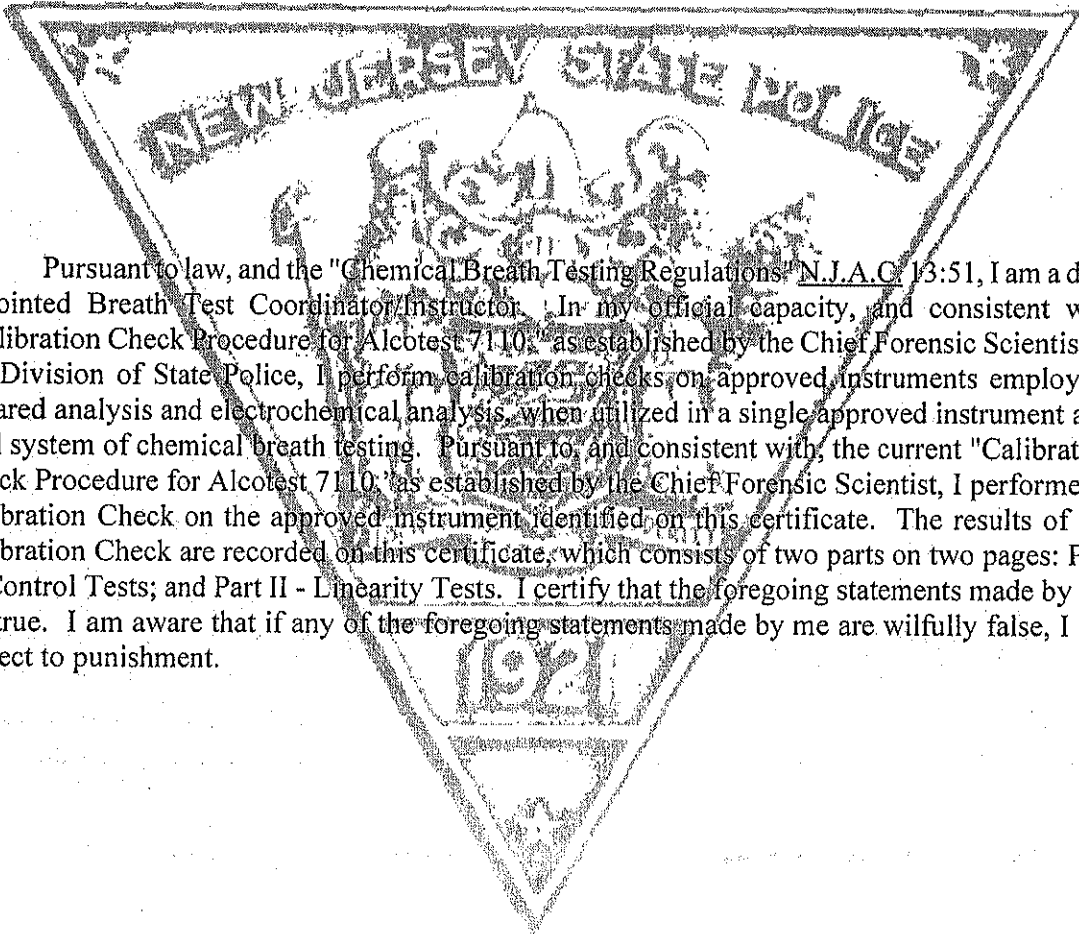
Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWH S3-0283
Control Solution %: 0.100% Expires: 04/22/2011
Solution Control Lot: 09D065 Bottle No.: 0016

Coordinator

Last Name: ROUSHINKO First Name: CRAIG MI: A.
Signature: TPR. II [Signature] #6046 Badge No.: 6046
Date: 03/12/2010

*Black Key Temperature Probe Serial.....# DDWAP2-038 (CAR)

*Digital NIST Temperature Measuring System Serial.....# 806014942 (CAR)



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.: ARWE-0027
Location: BLAIRSTOWN POLICE DEPT.
Calibration File No.: 00167 Calib. Date: 03/12/2010 Calib. No.: 00010
Certification File No.: 00168 Cert. Date: 03/12/2010 Cert. No.: 00008
Linearity File No.: 00150 Lin. Date: 09/28/2009 Lin. No.: 00007
Solution File No.: 00166 Soln. Date: 03/06/2010 Soln. No.: 00071
Sequential File No.: 00168 File Date: 03/12/2010

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWH S3-0283
Control Solution %: 0.100% Expires: 04/22/2011
Solution Control Lot: 09D065 Bottle No.: 0016

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:21S		
Control 1 EC	0.099%	09:21S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	09:21S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:22S		
Control 2 EC	0.098%	09:23S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.097%	09:23S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:24S		
Control 3 EC	0.098%	09:24S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.098%	09:24S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:25S		

All tests within acceptable tolerance.

Coordinator

Last Name: ROUSHINKO

First Name: CRAIG

MI: A.

Signature: _____

Badge No.: 6046

Date: 03/12/2010

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.: ARWE-0027
Location: BLAIRSTOWN POLICE DEPT.
Calibration File No.: 00167 Calib. Date: 03/12/2010 Calib. No.: 00010
Certification File No.: 00168 Cert. Date: 03/12/2010 Cert. No.: 00008
Linearity File No.: 00169 Lin. Date: 03/12/2010 Lin. No.: 00008
Solution File No.: 00166 Soln. Date: 03/06/2010 Soln. No.: 00071
Sequential File No.: 00169 File Date: 03/12/2010

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDAE-0019
Control Solution %: 0.040% Expires: 06/26/2010
Solution Control Lot: 08F054 Bottle No.: 0123

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0022
Control Solution %: 0.080% Expires: 06/28/2010
Solution Control Lot: 08F055 Bottle No.: 0313

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0024
Control Solution %: 0.160% Expires: 07/07/2010
Solution Control Lot: 08G057 Bottle No.: 0533

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	09:36S		
Control 1 EC	0.042%	09:36S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.040%	09:36S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:38S		
Control 2 EC	0.042%	09:39S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	09:39S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:40S		
Control 3 EC	0.081%	09:41S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.078%	09:41S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:42S		
Control 4 EC	0.082%	09:43S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.078%	09:43S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:45S		
Control 5 EC	0.162%	09:45S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.158%	09:45S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:47S		
Control 6 EC	0.159%	09:48S	34.0°C	*** TEST PASSED ***
Control 6 IR	0.157%	09:48S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:49S		

All tests within acceptable tolerance.

Coordinator

Last Name: ROUSHINKO

First Name: CRAIG

MI: A.

Signature: TPR II [Signature] #6046

Badge No.: 6046

Date: 03/12/2010

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARWE-0027
Location:	BLAIRSTOWN POLICE DEPT.	
Calibration File No.:	00167	Calib. Date: 03/12/2010
Certification File No.:	00168	Calib. No.: 00010
Linearity File No.:	00169	Cert. Date: 03/12/2010
Solution File No.:	00170	Cert. No.: 00008
Sequential File No.:	00170	Lin. Date: 03/12/2010
		Lin. No.: 00008
		Soln. Date: 03/12/2010
		Soln. No.: 00072
		File Date: 03/12/2010
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDWH S3-0283
Solution Control Lot:	09L072	Expires: 12/31/2011
		Bottle No.: 0398

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:55S		
Control 1 EC	0.101%	10:56S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	10:56S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:57S		
Control 2 EC	0.099%	10:58S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	10:58S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:58S		
Control 3 EC	0.099%	10:59S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.097%	10:59S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:00S		

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: DDUNP2-358 (CAL)

Changed By:

Last Name: ROUSHINKO

First Name: CRAIG

MI: A.

Signature: TR. II [Signature]

#6046

Badge No.: 6046

Date: 03/12/2010

Drägersafety

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:
05/01/2007

SERIAL NUMBER:
ARWE-0027

Dräger Safety Diagnostics, Inc.
Durango, CO

CEO



Calibration
Certificate No. 1750.01

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



Cert. No.: 4000-2023730

Traceable® Certificate of Calibration for Digital Thermometer

Instrument Identification:

Model: 61220-601 S/N: 80614942 Manufacturer : Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC191 Digital Thermometer	A79341 72310620/72310747	7/01/09	4000-1923693
Temperature Calibration Bath TC179 Digital Thermometer	A45240 22136727	5/16/09	4000-1882244
Temperature Probe Thermistor Module	149 A17118	3/06/09 11/15/08	A82225037-3 A7831032
Temperature Calibration Bath TC218	A73332		

Certificate Information:

Technician: 68 Procedure: CAL-06 Cal Date: 11/04/08 Cal Due: 11/04/10
Test Conditions: 23.5°C 44.0 %RH 1019 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
°C		N.A.		0.001	0.001	Y	-0.049	0.051	0.013	3.8:1
°C		N.A.		25.004	24.999	Y	24.954	25.054	0.013	3.8:1
°C		N.A.		60.001	59.998	Y	59.951	60.051	0.018	2.8:1
°C		N.A.		100.001	99.999	Y	99.951	100.051	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=Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Date=MM/DD/YY

Wallace Berry
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

Control Company is an ISO 17025:2005 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
Control Company is ISO 9001:2000 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-AQ-HOU.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).



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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:

DDAE-0019

Certification Date

Technician

Re-Certification Due Date

05-06-2009

JS

05-06-2010



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CERTIFICATE OF ACCURACY

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(F.R. Vol. 59 No. 249 12/19/94 Notices)

Draeger Safety Diagnostics, Inc.

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

Serial Number:

DDRKS3-0022

Certification Date

Technician

Re-Certification Due Date

2/3/10

DM

2/3/11



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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:

DDRKS3-0024

Certification Date

Technician

Re-Certification Due Date

2/3/10

DM

2/3/11

Drägersafety

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

DDWAP2-038

Certification date:

2-3-10

Next Certification due:

2-3-11

Probe Value

102

Draeger Safety Diagnostics, Inc.
Technical Service Department

MM



Drägersafety

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:

DDWHS3-0213

Certification Date

Technician

Re-Certification Due Date

8-10-09

mm

8-10-10

Drägersafety

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:

DDUNP2-358

8-10-09

8-10-10

Probe Value

103

Draeger Safety Diagnostics, Inc. mm
Technical Service Department

