

Alcotest 7110 Calibration Record

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARXA-0056
Location:	LONG BRANCH POLICE DEPT	
Calibration File No.:	00802	Calib. Date: 09/24/2019
Certification File No.:	00780	Cert. Date: 05/30/2019
Linearity File No.:	00781	Lin. Date: 05/30/2019
Solution File No.:	00798	Soln. Date: 09/08/2019
Sequential File No.:	00802	File Date: 09/24/2019
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDXN S3-0217
Solution Control Lot:	18220	Expires: 07/23/2020
		Bottle No.: 0167

Coordinator

Last Name: LUTZ

First Name: DENNIS

MI: J

Signature: Tpr I Dent 7045

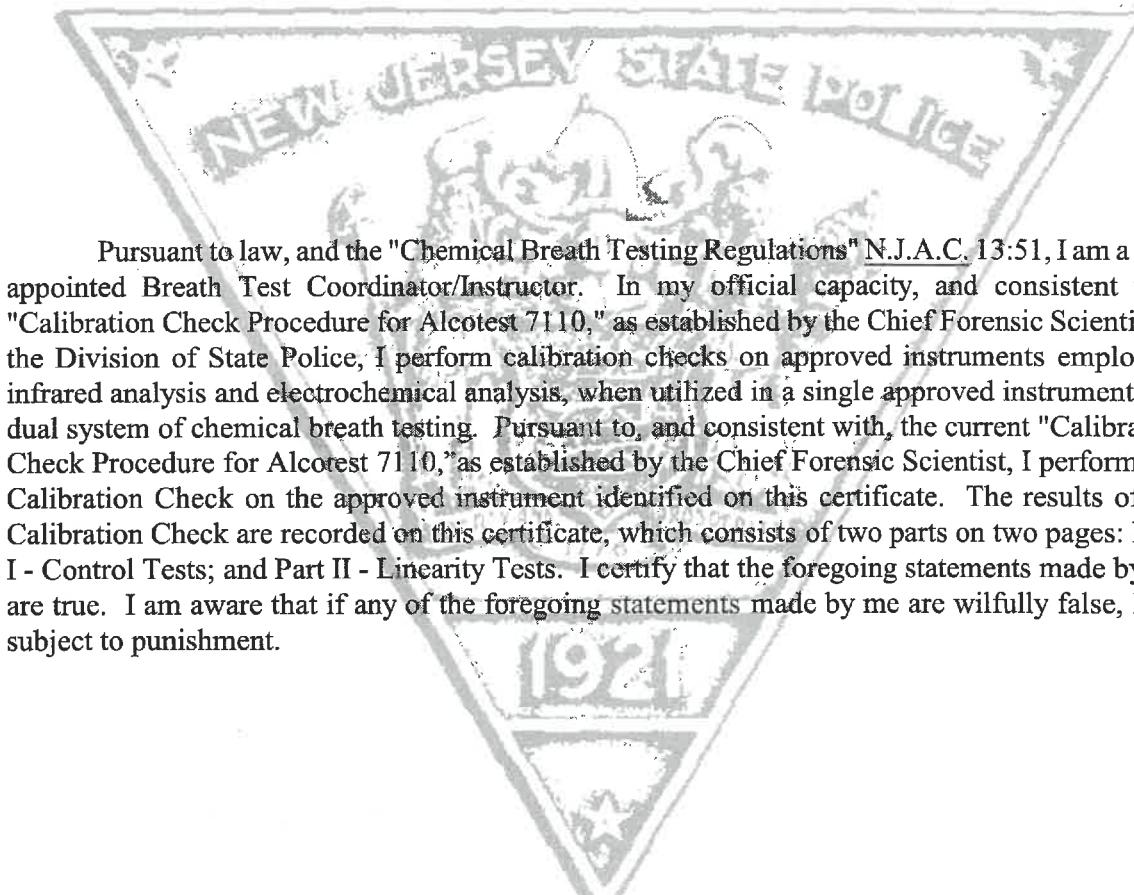
Badge No.: 7045

Date: 09/24/2019

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

DDEEP2-060 DC

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

191 959 029 DC

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-0056
Location:	LONG BRANCH POLICE DEPT	
Calibration File No.:	00802	Calib. Date: 09/24/2019
Certification File No.:	00803	Cert. Date: 09/24/2019
Linearity File No.:	00781	Lin. Date: 05/30/2019
Solution File No.:	00798	Soln. Date: 09/08/2019
Sequential File No.:	00803	File Date: 09/24/2019
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDXN S3-0217
Solution Control Lot:	18220	Expires: 07/23/2020
		Bottle No.: 0167

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	09:31D		
Control 1 EC	0.099%	09:32D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.100%	09:32D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:33D		
Control 2 EC	0.099%	09:34D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	09:34D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:34D		
Control 3 EC	0.098%	09:35D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	09:35D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:36D		

All tests within acceptable tolerance.

Coordinator

Last Name: LUTZ

Signature: T. I. Dent

First Name: DENNIS

MI: J

Badge No.: 7045

Date: 09/24/2019

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.: ARXA-0056		
Location:	LONG BRANCH POLICE DEPT			
Calibration File No.:	00802	Calib. Date: 09/24/2019		
Certification File No.:	00803	Cert. Date: 09/24/2019		
Linearity File No.:	00804	Lin. Date: 09/24/2019		
Solution File No.:	00798	Soln. Date: 09/08/2019		
Sequential File No.:	00804	File Date: 09/24/2019		
Calibrating Unit:	WET	Model No.: CU-34		
Control Solution %:	0.040%	Serial No.: DDSC S3-0001		
Solution Control Lot:	18240	Expires: 07/31/2020		
		Bottle No.: 0763		
Calibrating Unit:	WET	Model No.: CU-34		
Control Solution %:	0.080%	Serial No.: DDXC S3-0020		
Solution Control Lot:	18250	Expires: 08/06/2020		
		Bottle No.: 1446		
Calibrating Unit:	WET	Model No.: CU-34		
Control Solution %:	0.160%	Serial No.: DDMK S3-0008		
Solution Control Lot:	18260	Expires: 08/21/2020		
		Bottle No.: 1458		
Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:49D		
Control 1 EC	0.042%	09:49D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.040%	09:49D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:51D		
Control 2 EC	0.041%	09:52D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.039%	09:52D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:53D		
Control 3 EC	0.082%	09:54D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.079%	09:54D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:56D		
Control 4 EC	0.080%	09:57D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	09:57D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:58D		
Control 5 EC	0.161%	09:59D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.159%	09:59D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:01D		
Control 6 EC	0.159%	10:01D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.158%	10:01D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:03D		

All tests within acceptable tolerance.

Coordinator

Last Name: LUTZ

Signature: TPI I Dent 7045

First Name: DENNIS

MI: J

Badge No.: 7045

Date: 09/24/2019

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARXA-0056		
Location:	LONG BRANCH POLICE DEPT			
Calibration File No.:	00802	Calib. Date: 09/24/2019		
Certification File No.:	00803	Cert. Date: 09/24/2019		
Linearity File No.:	00804	Lin. Date: 09/24/2019		
Solution File No.:	00805	Soln. Date: 09/24/2019		
Sequential File No.:	00805	File Date: 09/24/2019		
Calibrating Unit:	WET	Model No.: CU-34		
Control Solution %:	0.100%	Serial No.: DDXN S3-0217		
Solution Control Lot:	19060	Expires: 02/11/2021		
		Bottle No.: 0687		
Function	Result	Time	Temperature	Comment(s) or Error(s)
Ambient Air Blank	0.000%	11:20D	Simulator (°C)	
Control 1 EC	0.100%	11:20D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.099%	11:20D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:21D		
Control 2 EC	0.099%	11:22D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.100%	11:22D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:23D		
Control 3 EC	0.099%	11:24D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.097%	11:24D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:25D		

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:

DDEEP2-090 ④

Changed By:

Last Name: LUTZ

First Name: DENNIS

MI: J

Signature: Tpr I Denst 7045

Badge No.: 7045

Date: 09/24/2019

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

Coordinator:

Tpr I Dennis J Lutz
Name

7045

Badge No.

Location:

Long Branch Police Dept
Agency

ARXA-0056

Alcotest Serial No.

Equipment:

191 959 029

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%	DDSCS3-0001	08:08 D	09:17 D	33.9°C
0.08%	DDXLS3-0020	08:08 D	09:17 D	34.0°C
0.10%	DDXNS3-0217	08:08 D	09:18 D	34.0°C
0.16%	DDMKS3-0008	08:08 D	09:19 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 NIST-traceable Temperature Measuring System thermometer. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

Tpr I Lutz
Coordinator's Signature

9-24-19

Date

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
 Model: MARK IIA
 X-Cal 2000 (Alcosim)
 Other: _____

Serial Number:

DDSF53-0001

Certification Date:

7-18-19

Technician:

BS

Re-Certification Due Date:

7-18-20

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
 Model: MARK IIA
 X-Cal 2000 (Alcosim)
 Other: _____

Serial Number:

DDXCS3-0020

Certification Date:

7-18-19

Technician:

BS

Re-Certification Due Date:

7-18-20



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
 Model: MARK IIA
 X-Cal 2000 (Alcosim)
 Other: _____

Serial Number:

DDmKS3-0008

Certification Date:

7-18-19

Technician:

BS

Re-Certification Due Date:

7-18-20

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

Serial Number Temp Probe:

DLDEEP2-060

Certification Date:

7-18-19

Next Certification Due:

7-18-20

Probe Value:

104

Draeger, Inc.

BS



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 Matsonford 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		
Temperature Probe	3039	08 May 2019	6-B7F4L-20-1
Temperature Calibration Bath	A79341		
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	Y	-0.052	0.048	0.0087	>4:1
°C	N.A.	N.A.		24.999	25.000	Y	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	Y	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=Standard'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;

Nicol Rodriguez, Quality Manager

Aaron Justice, Technical Manager

Note :

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).



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



Cert. No.: 4000-10177848

Traceable® Certificate of Calibration for Digital Thermometer

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).