

Alcotest 7110 Calibration Record

Equipment

Alcotest 7110 MKIII-C
Location: PENNSAUKEN TWSP. P.D. Serial No.: ARUM-0051
Calibration File No.: 03037 Calib. Date: 12/17/2020 Calib. No.: 00041
Certification File No.: 03016 Cert. Date: 06/25/2020 Cert. No.: 00036
Linearity File No.: 03017 Lin. Date: 06/25/2020 Lin. No.: 00035
Solution File No.: 03031 Soln. Date: 11/13/2020 Soln. No.: 00343
Sequential File No.: 03037 File Date: 12/17/2020

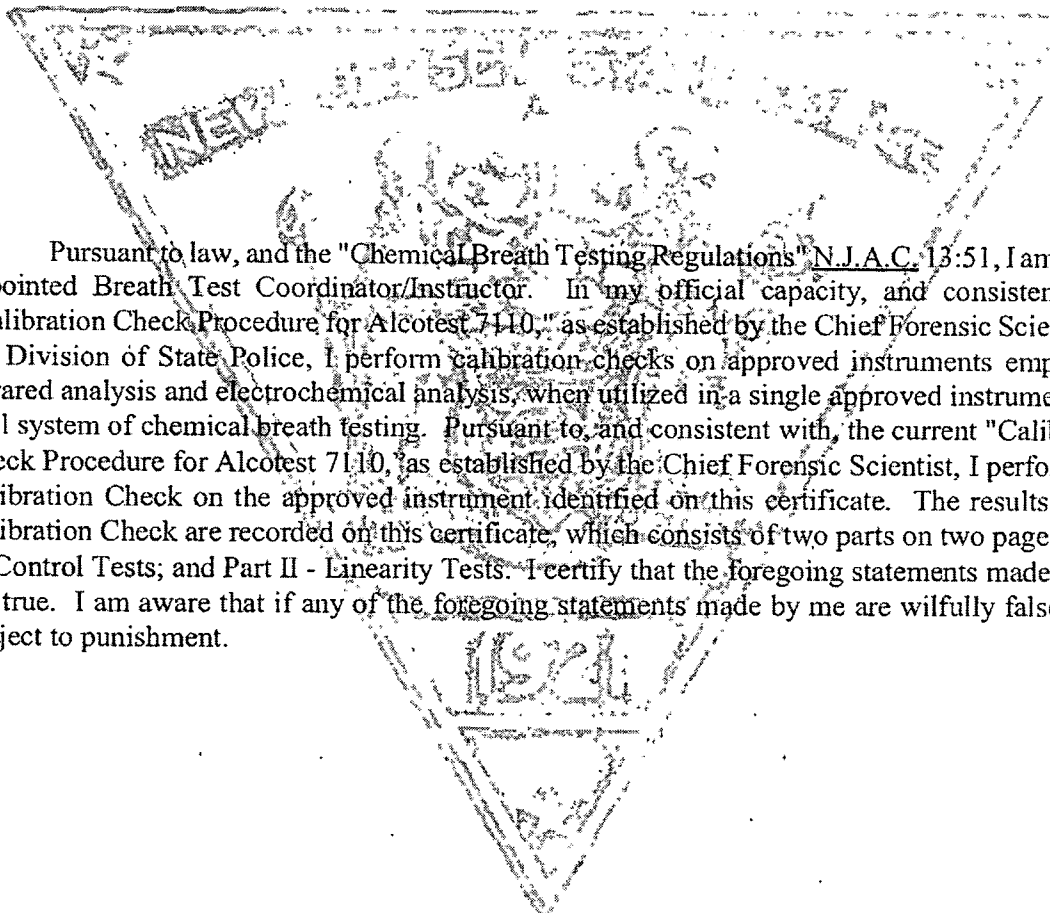
Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0340
Control Solution %: 0.100% Expires: 10/14/2021
Solution Control Lot: 19270 Bottle No.: 0149

Coordinator

Last Name: WATSON First Name: MATTHEW MI: R
Signature: *[Handwritten Signature]* #7078 Badge No.: 7078
Date: 12/17/2020

*Black Key Temperature Probe Serial.....# DDLBP3-0098 **MRW**
*Digital NIST Temperature Measuring System Serial.....# 191959028 **MRW**

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.: 03037 Calib. Date: 12/17/2020 Calib. No.: 00041
Certification File No.: 03038 Cert. Date: 12/17/2020 Cert. No.: 00037
Linearity File No.: 03017 Lin. Date: 06/25/2020 Lin. No.: 00035
Solution File No.: 03031 Soln. Date: 11/13/2020 Soln. No.: 00343
Sequential File No.: 03038 File Date: 12/17/2020

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUN S3-0340
Control Solution %: 0.100% Expires: 10/14/2021
Solution Control Lot: 19270 Bottle No.: 0149

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:31S		
Control 1 EC	0.099%	11:31S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	11:31S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:32S		
Control 2 EC	0.097%	11:33S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	11:33S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:34S		
Control 3 EC	0.097%	11:34S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	11:34S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:35S		

All tests within acceptable tolerance.

Coordinator

Last Name: WATSON First Name: MATTHEW MI: R

Signature: Tpr. I Matthew A. Watson

Badge No.: 7078

Date: 12/17/2020

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.

Alcotest 7110 Calibration Certificate

Part II - Linearity Tests

Equipment

Alcotest 7110 MKIII-C
Location: PENNSAUKEN TWSP. P.D. Serial No.: ARUM-0051
Calibration File No.: 03037 : Calib. Date: 12/17/2020 Calib. No.: 00041
Certification File No.: 03038 Cert. Date: 12/17/2020 Cert. No.: 00037
Linearity File No.: 03039 Lin. Date: 12/17/2020 Lin. No.: 00036
Solution File No.: 03031 Soln. Date: 11/13/2020 Soln. No.: 00343
Sequential File No.: 03039 File Date: 12/17/2020

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXD S3-0187
Control Solution %: 0.040% Expires: 11/04/2021
Solution Control Lot: 19310 Bottle No.: 0293

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0015
Control Solution %: 0.080% Expires: 11/11/2021
Solution Control Lot: 19320 Bottle No.: 0461

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDWF S3-0225
Control Solution %: 0.160% Expires: 12/02/2021
Solution Control Lot: 19360 Bottle No.: 0646

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:44S		
Control 1 EC	0.041%	11:44S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.041%	11:44S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:46S		
Control 2 EC	0.041%	11:46S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	11:46S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:48S		
Control 3 EC	0.081%	11:48S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	11:48S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:50S		
Control 4 EC	0.080%	11:51S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	11:51S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:52S		
Control 5 EC	0.158%	11:53S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.155%	11:53S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:54S		
Control 6 EC	0.156%	11:55S	34.0°C	*** TEST PASSED ***
Control 6 IR	0.155%	11:55S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:56S		


All tests within acceptable tolerance.

Coordinator

Last Name: WATSON

First Name: MATTHEW

MI: R

Signature: 

Badge No.: 7078

Date: 12/17/2020

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.:	ARUM-0051
Location:	PENNSAUKEN TWSP. P.D.		
Calibration File No.:	03037	Calib. Date:	12/17/2020
Certification File No.:	03038	Calib. No.:	00041
Linearity File No.:	03039	Cert. Date:	12/17/2020
Solution File No.:	03040	Cert. No.:	00037
Sequential File No.:	03040	Lin. Date:	12/17/2020
		Lin. No.:	00036
		Soln. Date:	12/17/2020
		Soln. No.:	00344
		File Date:	12/17/2020

Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUN S3-0340
Control Solution %:	0.100%			Expires:	09/02/2022
Solution Control Lot:	20390			Bottle No.:	0243

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	13:00S		
Control 1 EC	0.099%	13:01S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	13:01S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:02S		
Control 2 EC	0.098%	13:02S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.098%	13:02S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:03S		
Control 3 EC	0.098%	13:04S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	13:04S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:05S		

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: DDUJ2-142

MRJ

Changed By:

Last Name: WATSON

First Name: MATTHEW

MI: R

Signature: *Tr. I. Matthew Watson #7078*

Badge No.: 7078

Date: 12/17/2020

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

Coordinator:

Tpr. J. Matthew R. Watson
Name

7078
Badge No.

Location:

Pennsauken Twp. P.D.
Agency

ARUM-0051
Alcotest Serial No.

Equipment:

191959028
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%	DDXD53-0187	10:16s	11:17s	33.9°C
0.08%	DDRK53-0015	10:16s	11:18s	33.9°C
0.10%	DDUN53-0340	10:16s	11:19s	34.0°C
0.16%	DDWF53-0225	10:16s	11:20s	33.9°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. J. Matthew R. Watson #2078
Coordinator's Signature

12/17/2020
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:

DDXDS3-0187

Certification Date:
6.2.20

Technician:
AM/M.B.

Re-Certification Due Date:
6.2.21



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: _____

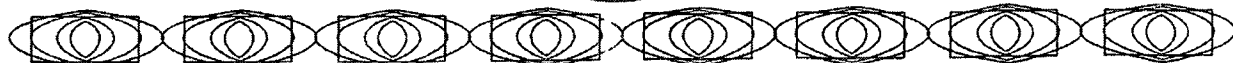
Serial Number:

DDRKS3-0015

Certification Date:
6.1.20

Technician:
MB

Re-Certification Due Date:
6.1.21



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:

DDWFS3-0225

Certification Date:

6.2.20

Technician:

Mh/M.B.

Re-Certification Due Date:

6.2.21

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'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:

DDLBP3-0098

Certification Date:

6.3.20

Next Certification Due:

6.3.21

Probe Value:

104

Draeger, Inc.

Mh



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



Cert. No.: 4000-10177847

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: 191959028 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	25.001	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	100.003	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
 Nicol Rodriguez, Quality Manager

Aaron Judice
 Aaron Judice, 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

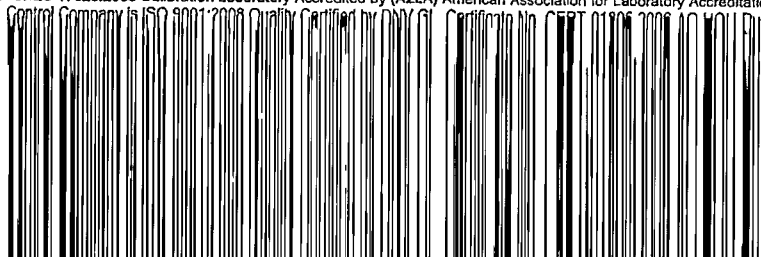


Cert. No.: 4000-10177847

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.





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:	Certification Date:	Next Certification Due:
<u>DDUJP2 - 142</u>	<u>10/19/2020</u>	<u>10/19/2021</u>

Probe Value:

106

Dräger, Inc.

GR MB



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)
Dräger, Inc.

- Model: ALCOTEST CU34
- Model: MARK IIA
- X-Cal 2000 (Alcosim)
- Other: _____

Serial Number:

DDUNS3-0340

Certification Date:

10/19/2020

Technician:

GR

MB

Re-Certification Due Date:

10/19/2021

