

Alcotest 7110 Calibration Record

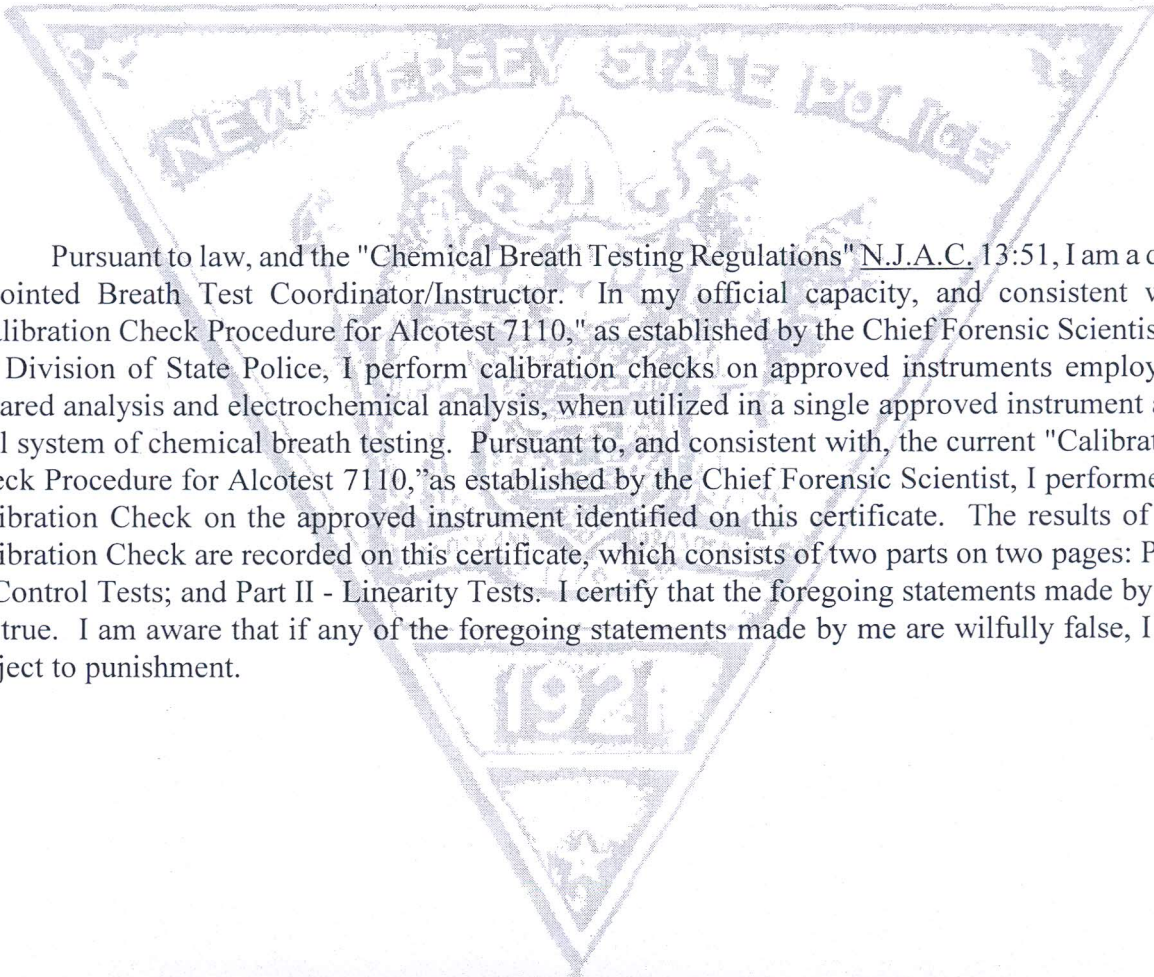
Equipment

Alcotest 7110 MKIII-C	Serial No.:	ARNK-0074
Location: SOUTH BRUNSWICK POLICE		
Calibration File No.: 00743	Calib. Date: 03/19/2015	Calib. No.: 00030
Certification File No.: 00706	Cert. Date: 09/30/2014	Cert. No.: 00019
Linearity File No.: 00707	Lin. Date: 09/30/2014	Lin. No.: 00019
Solution File No.: 00742	Soln. Date: 03/17/2015	Soln. No.: 00161
Sequential File No.: 00743	File Date: 03/19/2015	
Calibrating Unit: WET	Model No.: CU-34	Serial No.: DDUF S3-0060
Control Solution %: 0.100%		Expires: 09/23/2015
Solution Control Lot: 131123		Bottle No.: 1188

Coordinator

Last Name: GONCALVES First Name: MICHELLE MI: L
Signature: Sgt. Michelle Goncalves #6040 Badge No.: 6040
Date: 03/19/2015

*Black Key Temperature Probe Serial.....# DDUNP2-231 (MG)
*Digital NIST Temperature Measuring System Serial.....# 130602271 (MG)



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: SOUTH BRUNSWICK POLICE
Serial No.: ARNK-0074
Calibration File No.: 00743 Calib. Date: 03/19/2015 Calib. No.: 00030
Certification File No.: 00744 Cert. Date: 03/19/2015 Cert. No.: 00020
Linearity File No.: 00707 Lin. Date: 09/30/2014 Lin. No.: 00019
Solution File No.: 00742 Soln. Date: 03/17/2015 Soln. No.: 00161
Sequential File No.: 00744 File Date: 03/19/2015

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUF S3-0060
Control Solution %: 0.100% Expires: 09/23/2015
Solution Control Lot: 13I123 Bottle No.: 1188

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:28S	11:28D MG	
Control 1 EC	0.099%	10:29S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:29S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:30S		
Control 2 EC	0.100%	10:30S	33.9°C	*** TEST PASSED ***
Control 2 IR	0.100%	10:30S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:31S		
Control 3 EC	0.100%	10:32S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	10:32S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:33S	11:33D MG	

All tests within acceptable tolerance.

Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Goncalves #6040

Badge No.: 6040

Date: 03/19/2015

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.: ARNK-0074
Location:	SOUTH BRUNSWICK POLICE	
Calibration File No.:	00743	Calib. Date: 03/19/2015
Certification File No.:	00744	Calib. No.: 00030
Linearity File No.:	00745	Cert. Date: 03/19/2015
Solution File No.:	00742	Cert. No.: 00020
Sequential File No.:	00745	Lin. Date: 03/19/2015
		Lin. No.: 00020
		Soln. Date: 03/17/2015
		Soln. No.: 00161
		File Date: 03/19/2015
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.040%	Serial No.: DDMK S3-0003
Solution Control Lot:	13I120	Expires: 09/13/2015
		Bottle No.: 1348
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.080%	Serial No.: DDAE-0022
Solution Control Lot:	13I121	Expires: 09/16/2015
		Bottle No.: 0496
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.160%	Serial No.: DDCN-0052
Solution Control Lot:	14H131	Expires: 08/05/2016
		Bottle No.: 1075

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	11:18S	12:18D MG	
Control 1 EC	0.042%	11:18S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.042%	11:18S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:20S		
Control 2 EC	0.042%	11:21S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.041%	11:21S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:22S		
Control 3 EC	0.084%	11:23S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.081%	11:23S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:24S		
Control 4 EC	0.083%	11:25S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.081%	11:25S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:27S		
Control 5 EC	0.164%	11:27S	33.9°C	*** TEST PASSED ***
Control 5 IR	0.161%	11:27S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:29S		
Control 6 EC	0.163%	11:30S	33.9°C	*** TEST PASSED ***
Control 6 IR	0.161%	11:30S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:31S	12:31D MG	

All tests within acceptable tolerance.

Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Goncalves #6040

Badge No.: 6040

Date: 03/19/2015

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARNK-0074
Location:	SOUTH BRUNSWICK POLICE	
Calibration File No.:	00743	Calib. Date: 03/19/2015
Certification File No.:	00744	Cert. No.: 00030
Linearity File No.:	00745	Cert. Date: 03/19/2015
Solution File No.:	00746	Lin. No.: 00020
Sequential File No.:	00746	Soln. Date: 03/19/2015
		Soln. No.: 00162
		File Date: 03/19/2015
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUF S3-0060
Solution Control Lot:	14H132	Expires: 08/22/2016
		Bottle No.: 0039

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:45S	13:45D MG	
Control 1 EC	0.101%	12:45S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.101%	12:45S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:46S		
Control 2 EC	0.101%	12:47S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.102%	12:47S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:48S		
Control 3 EC	0.101%	12:48S	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	12:48S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:49S	13:49D MG	

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: DDEEP2-034 MG

Changed By:

Last Name: GONCALVES

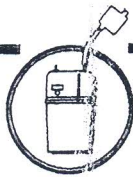
First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Adams #6040

Badge No.: 6040

Date: 03/19/2015



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® CU34
- Model: MARK IIA
- Other: _____

Serial Number:

DDUFS3-0060

Certification Date

12-15-14

Technician

BC

Re-Certification Due Date

12-15-15



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 Specification.

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

Serial Number Temp. Probe

DDDEP2-034

Certification date:

12-15-14

Next Certification due:

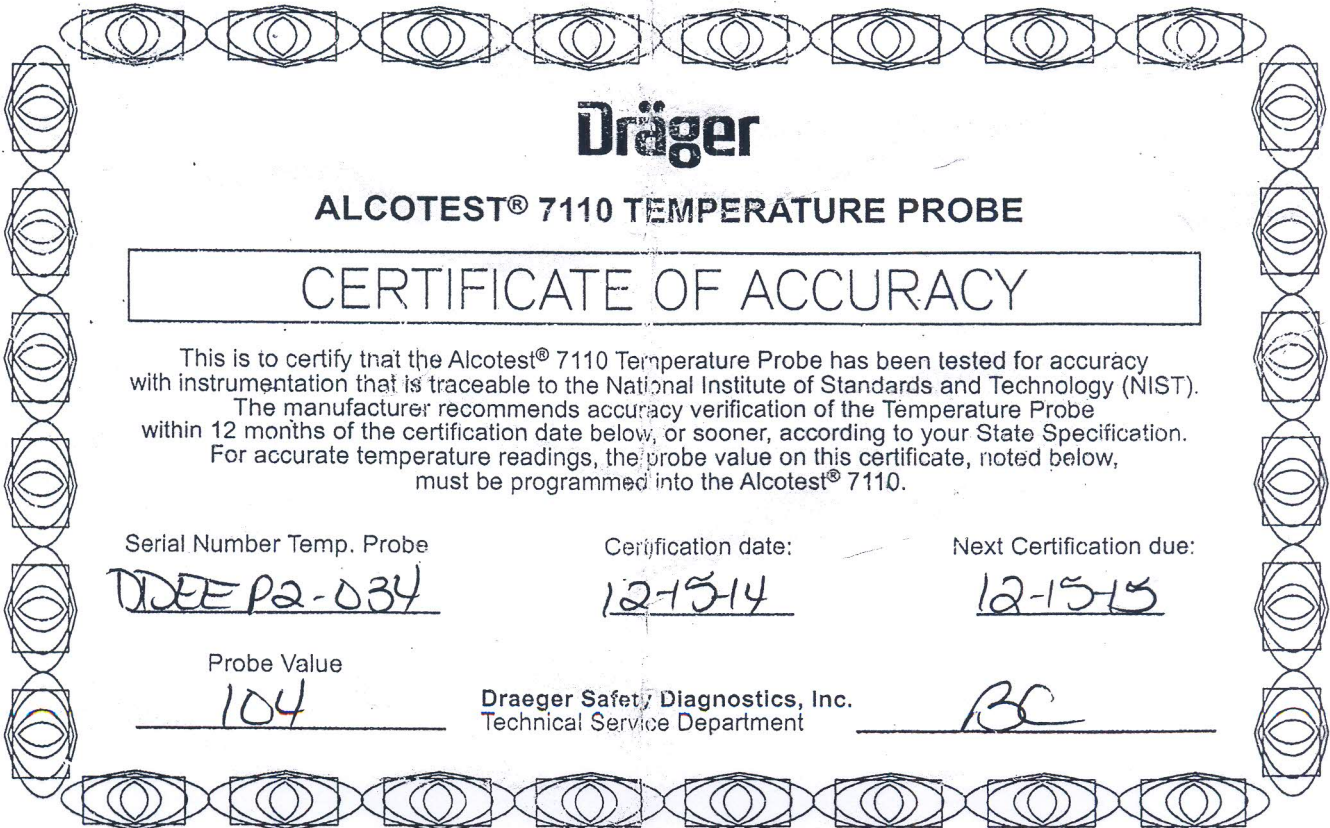
12-15-15

Probe Value

104

Draeger Safety Diagnostics, Inc.
Technical Service Department

BC





State of New 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

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

JOHN J. HOFFMAN
Acting 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 0.1174 to 0.1246 grams per 100 milliliters of solution.

MANUFACTURER: Draeger Safety, Inc.

ANALYSIS DATE: 9/11/2014

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 14H132

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1211 to 0.1220 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 22, 2016.

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 15th day of September, 2014.

Notary

LINDA L DESANTIS
 ID # 2228599
 NOTARY PUBLIC
 STATE OF NEW JERSEY
 My Commission Expires August 17, 2019



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



Dräger

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:

10-08-12

SERIAL NUMBER:

ARNK-0074

Dräger Safety Diagnostics, Inc.



CERTIFICATE

This is to certify that

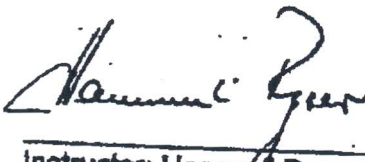
Michelle Goncalves

has successfully completed the two day Draeger Safety Diagnostics, Inc. Alcohol Coordinator Training Course on the New Jersey specific Alcotest® 7110 MKIII-C and is hereby certified as a qualified

**Operator Trainer and
Maintenance Technician**

Completion of this course qualifies this individual to train and certify Operators in the proper use and operation as well as perform Preventive Maintenance on the New Jersey specific Alcotest® 7110 MKIII-C.

Date: March 14, 2012


Instructor: Hansueli Ryser

Dräger



Calibration
Certificate No. 1750.01

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



Cert. No.: 4000-5427014

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: 130802271 Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-179	A45240		
Thermistor Module	A17118	2/13/14	1000332071
Temperature Probe	128	2/20/14	6-B48Z9-30-1
Temperature Calibration Bath TC-231	A79341		
Thermistor Module	A17118	2/13/14	1000332071
Temperature Probe	3039	2/20/14	6-B48Z9-1-1
Temperature Calibration Bath TC-218	A73332		
Thermistor Module	A27129	11/09/13	1000327261
Temperature Probe	5202	11/30/14	15-B15PW-1-1
Temperature Calibration Bath TC-275	B16388		
Digital Thermometer	B18815	8/12/14	1000341987
PRT Temperature Probe	02022	8/14/15	83812004

Certificate Information:

Technician: 88 Procedure: CAL-06 Cal Date: 10/08/13 Cal Due: 10/08/15
Test Conditions: 24.0°C 37.0 %RH 1017 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
°C		N.A.		-0.001	0.000	Y	-0.051	0.049	0.013	3.8:1
°C		N.A.		25.001	25.000	Y	24.951	25.051	0.023	2.2:1
°C		N.A.		50.003	50.001	Y	49.953	50.053	0.014	3.6:1
°C		N.A.		100.001	99.994	Y	99.951	100.051	0.018	2.8:1

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 items 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; Date=MM/DD/YYYY

Nicol Rodriguez
Nicol Rodriguez, Quality Manager

Aaron Judon
Aaron Judon, 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 9001:2008 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-2005-AQ-HOU-RvA.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

