

Alcotest 7110 Calibration Record

Equipment

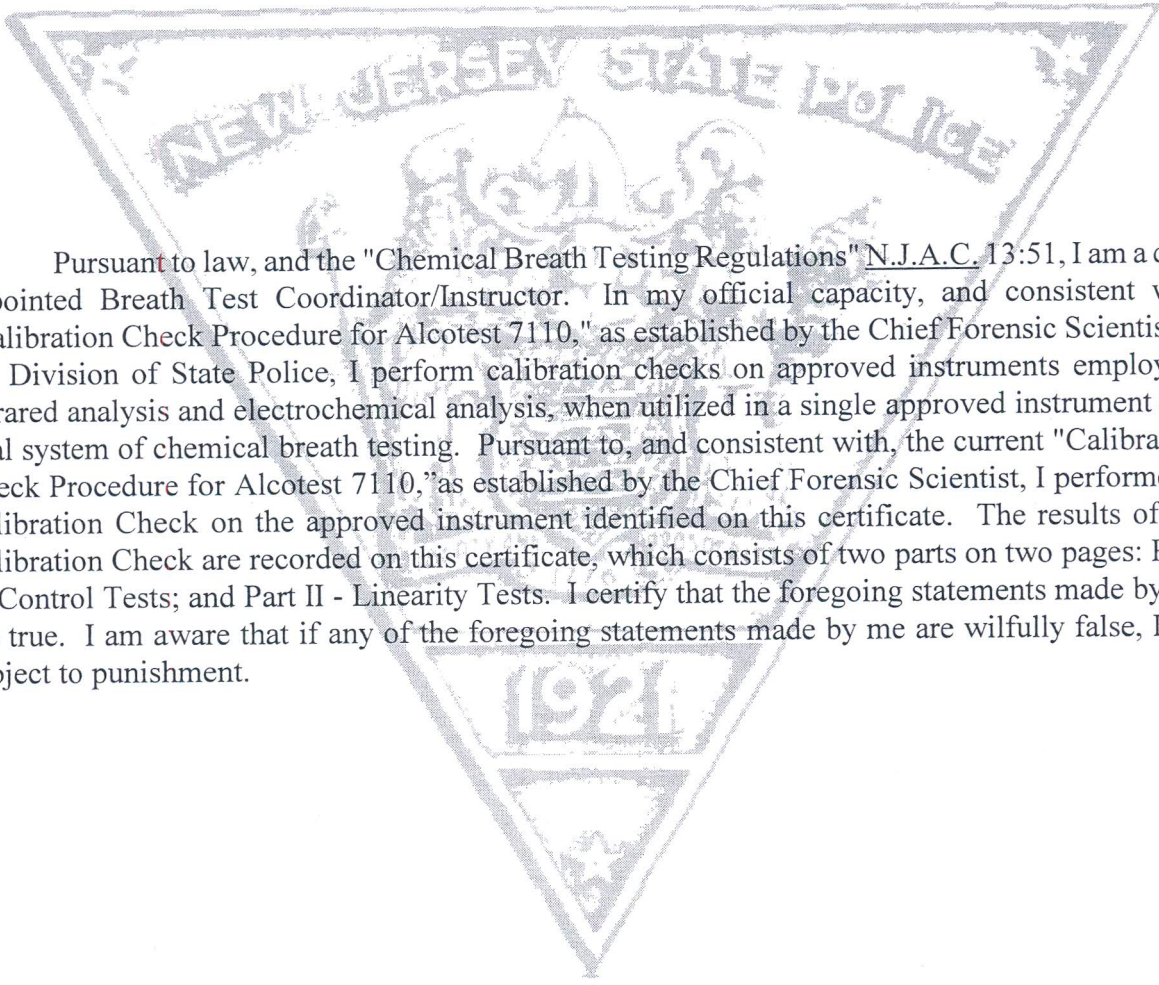
Alcotest 7110 MKIII-C
Location: SOUTH BRUNSWICK POLICE
Serial No.: ARNK-0074
Calibration File No.: 00705
Calib. Date: 09/30/2014
Calib. No.: 00029
Certification File No.: 00674
Cert. Date: 04/07/2014
Cert. No.: 00018
Linearity File No.: 00675
Lin. Date: 04/07/2014
Lin. No.: 00018
Solution File No.: 00702
Soln. Date: 09/15/2014
Soln. No.: 00154
Sequential File No.: 00705
File Date: 09/30/2014

Calibrating Unit: WET
Control Solution %: 0.100%
Solution Control Lot: 131122
Model No.: CU-34
Serial No.: DDUF S3-0061
Expires: 09/17/2015
Bottle No.: 0328

Coordinator

Last Name: GONCALVES
First Name: MICHELLE
MI: L
Signature: Sgt. Michelle Goncalves #6040
Badge No.: 6040
Date: 09/30/2014

*Black Key Temperature Probe Serial.....# DDXK P2-398 (new)
*Digital NIST Temperature Measuring System Serial.....# 130602271 (new)



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.: ARNK-0074
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00705 Calib. Date: 09/30/2014 Calib. No.: 00029
Certification File No.: 00706 Cert. Date: 09/30/2014 Cert. No.: 00019
Linearity File No.: 00675 Lin. Date: 04/07/2014 Lin. No.: 00018
Solution File No.: 00702 Soln. Date: 09/15/2014 Soln. No.: 00154
Sequential File No.: 00706 File Date: 09/30/2014

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUF S3-0061
Control Solution %: 0.100% Expires: 09/17/2015
Solution Control Lot: 13I122 Bottle No.: 0328

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:37D		
Control 1 EC	0.099%	12:37D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	12:37D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:38D		
Control 2 EC	0.099%	12:39D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.101%	12:39D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:39D		
Control 3 EC	0.100%	12:40D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	12:40D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:41D		

All tests within acceptable tolerance.

Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Goncalves #6040

Badge No.: 6040

Date: 09/30/2014

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.: 00705 Calib. Date: 09/30/2014 Calib. No.: 00029
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.: 00702 Soln. Date: 09/15/2014 Soln. No.: 00154
Sequential File No.: 00707 File Date: 09/30/2014

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDCN-0054
Control Solution %: 0.040% Expires: 09/13/2015
Solution Control Lot: 13I120 Bottle No.: 0280

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDAE-0022
Control Solution %: 0.080% Expires: 09/16/2015
Solution Control Lot: 13I121 Bottle No.: 0846

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDAE-0018
Control Solution %: 0.160% Expires: 08/05/2016
Solution Control Lot: 14H131 Bottle No.: 0425

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:59D		
Control 1 EC	0.041%	13:00D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.041%	13:00D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:01D		
Control 2 EC	0.041%	13:02D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.041%	13:02D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:03D		
Control 3 EC	0.081%	13:04D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	13:04D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:05D		
Control 4 EC	0.081%	13:06D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	13:06D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:07D		
Control 5 EC	0.161%	13:08D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.160%	13:08D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:09D		
Control 6 EC	0.161%	13:10D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.160%	13:10D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:11D		

All tests within acceptable tolerance.

Coordinator

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: 

Badge No.: 6040

Date: 09/30/2014

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARNK-0074
Location:	SOUTH BRUNSWICK POLICE	
Calibration File No.:	00705	Calib. Date: 09/30/2014
Certification File No.:	00706	Calib. No.: 00029
Linearity File No.:	00707	Cert. Date: 09/30/2014
Solution File No.:	00708	Cert. No.: 00019
Sequential File No.:	00708	Lin. Date: 09/30/2014
		Lin. No.: 00019
		Soln. Date: 09/30/2014
		Soln. No.: 00155
		File Date: 09/30/2014
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUF S3-0061
Solution Control Lot:	13K125	Expires: 11/12/2015
		Bottle No.: 1335

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	14:30D		
Control 1 EC	0.101%	14:30D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	14:30D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:31D		
Control 2 EC	0.101%	14:31D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	14:31D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:32D		
Control 3 EC	0.101%	14:33D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	14:33D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:33D		

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: DDUTP2-215 MA

Changed By:

Last Name: GONCALVES

First Name: MICHELLE

MI: L

Signature: Sgt. Michelle Goncalves #6040

Badge No.: 6040

Date: 09/30/2014



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)

Dräger Safety Diagnostics, Inc.

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

Serial Number:

DDUFS3-0061

Certification Date

Technician

Re-Certification Due Date

04-21-14

SY

04-21-15

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

DDUS P2-215

Certification date:

4-18-14

Next Certification due:

4-18-15

Probe Value

104

Dräger Safety Diagnostics, Inc.
Technical Service Department

BC

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:

SERIAL NUMBER:

10-08-12

ARNK-0274

Dräger Safety Diagnostics, Inc.



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: 12/09/2013

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 13K125

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1204 to 0.1222 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 November 12, 2015.

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 10th day of December, 2013.

Notary

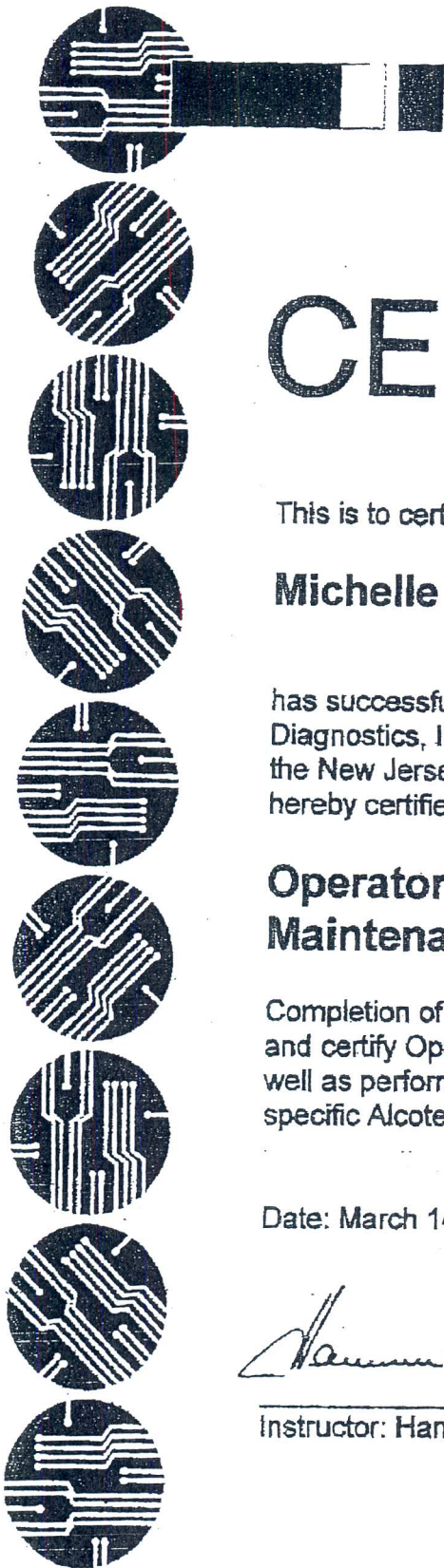
Linda L. Decaris
 Notary Public, New Jersey
 My Commission Expires 8-17-14



"An Internationally Accredited Agency"

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





CERTIFICATE

This is to certify that

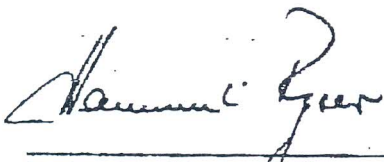
Michelle Goncalves

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





Calibration complies with ISO/IEC
17025, ANSI/NC SL 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: 130602271 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	B16815	8/12/14	1000341967
PRT Temperature Probe	02022	8/14/15	B3812004

Certificate Information:

Technician: 68 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 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; Date=MM/DD/YYYY

Nicol Rodriguez
Nicol Rodriguez, Quality Manager

Aaron Justice
Aaron Justice, 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-01805-2008-AQ-HOU-RvA.
International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).

