

# Alcotest 7110 Calibration Record

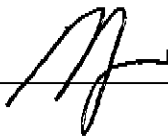
<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.:	ARWM-0025		
Location:	CLIFTON CITY POLICE				
Calibration File No.:	01565	Calib. Date:	02/15/2012	Calib. No.:	00024
Certification File No.:	01440	Cert. Date:	08/15/2011	Cert. No.:	00014
Linearity File No.:	01441	Lin. Date:	08/15/2011	Lin. No.:	00014
Solution File No.:	01559	Soln. Date:	01/28/2012	Soln. No.:	00134
Sequential File No.:	01565	File Date:	02/15/2012		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDXA S3-0033
Control Solution %:	0.100%			Expires:	09/09/2012
Solution Control Lot:	10I082			Bottle No.:	0882

## Coordinator

Last Name: ARROYO

First Name: MARCOS


MI: A.


Signature: Part II 

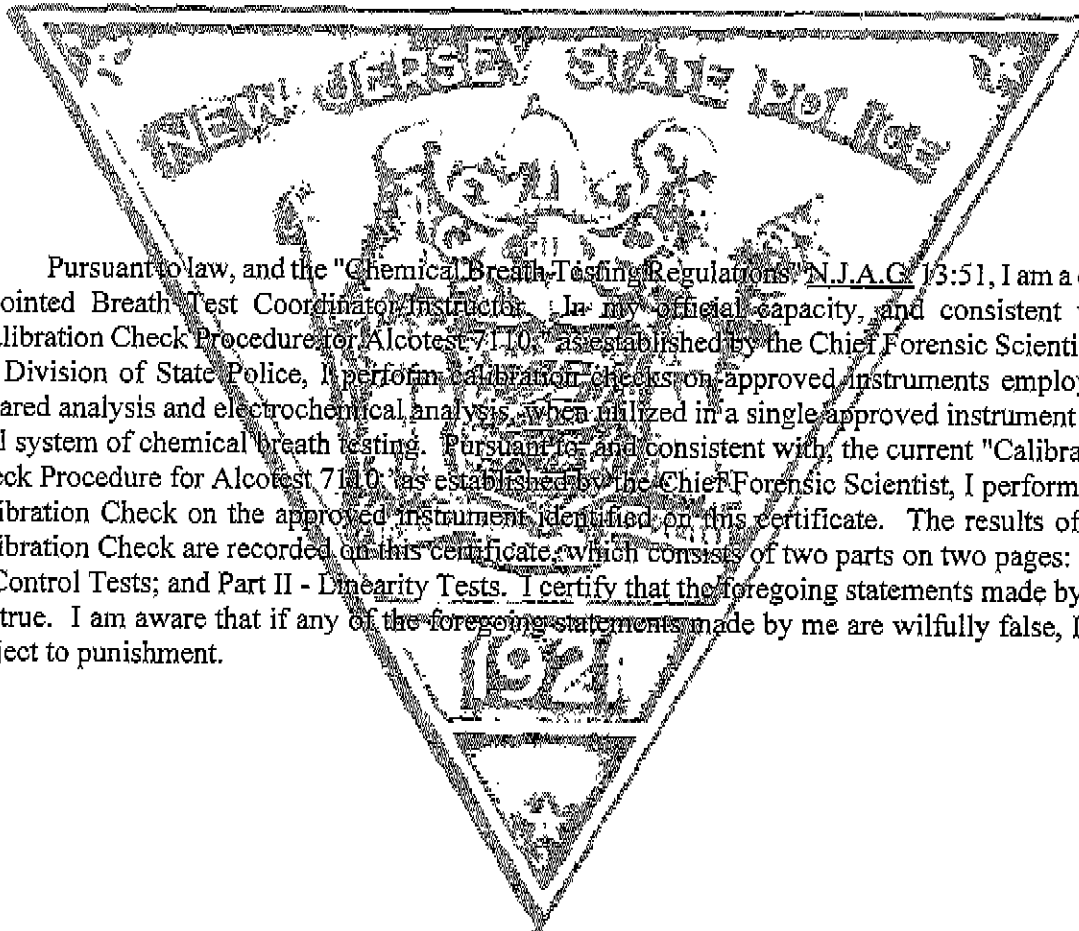
6291

Badge No.: 6291

Date: 02/15/2012

\*Black Key Temperature Probe Serial ...# DDYKPR-363 

\*Digital NIST Temperature Measuring System Serial # 101696525 



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.: ARWM-0025  
Location: CLIFTON CITY POLICE  
Calibration File No.: 01565 Calib. Date: 02/15/2012 Calib. No.: 00024  
Certification File No.: 01566 Cert. Date: 02/15/2012 Cert. No.: 00015  
Linearity File No.: 01441 Lin. Date: 08/15/2011 Lin. No.: 00014  
Solution File No.: 01559 Soln. Date: 01/28/2012 Soln. No.: 00134  
Sequential File No.: 01566 File Date: 02/15/2012

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXA S3-0033  
Control Solution %: 0.100% Expires: 09/09/2012  
Solution Control Lot: 10I082 Bottle No.: 0882

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:48S		
Control 1 EC	0.100%	10:49S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:49S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:50S		
Control 2 EC	0.097%	10:50S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	10:50S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:51S		
Control 3 EC	0.098%	10:52S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	10:52S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:53S		


All tests within acceptable tolerance.

### Coordinator

Last Name: ARROYO

First Name: MARCOS

MI: A.

Signature: 

Badge No.: 6291

Date: 02/15/2012

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.



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

PAULA T. DOW  
 Attorney General

KIM GUADAGNO  
 Lt. Governor

COLONEL JOSEPH R. FUENTES  
 Superintendent

**CERTIFICATION OF ANALYSIS**  
**0.08 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION**

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.094 to 0.099 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc.

ANALYSIS DATE: 7/22/2011

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 11F091

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0968 to 0.0973 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. 13:51-3.4, 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 June 30, 2013.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

Kenneth W. Kawalek, M.S.  
 Assistant Chief Forensic Scientist  
 Division of State Police

Sworn to and subscribed before me this 1<sup>st</sup> day of August, 2011.

Notary

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



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# Alcotest 7110 Calibration Certificate

## Part II - Linearity Tests

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.:	ARWM-0025		
Location:	CLIFTON CITY POLICE				
Calibration File No.:	01565	Calib. Date:	02/15/2012	Calib. No.:	00024
Certification File No.:	01566	Cert. Date:	02/15/2012	Cert. No.:	00015
Linearity File No.:	01567	Lin. Date:	02/15/2012	Lin. No.:	00015
Solution File No.:	01559	Soln. Date:	01/28/2012	Soln. No.:	00134
Sequential File No.:	01567	File Date:	02/15/2012		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDWE S3-0172
Control Solution %:	0.040%			Expires:	06/27/2013
Solution Control Lot:	11F090			Bottle No.:	1068
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDXD S3-0181
Control Solution %:	0.080%			Expires:	06/30/2013
Solution Control Lot:	11F091			Bottle No.:	1045
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDWE S3-0200
Control Solution %:	0.160%			Expires:	07/03/2013
Solution Control Lot:	11G092			Bottle No.:	1211

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:00S		
Control 1 EC	0.043%	11:00S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.038%	11:00S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:02S		
Control 2 EC	0.042%	11:03S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.039%	11:03S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:04S		
Control 3 EC	0.082%	11:05S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.078%	11:05S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:07S		
Control 4 EC	0.080%	11:08S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.079%	11:08S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:09S		
Control 5 EC	0.158%	11:10S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.158%	11:10S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:12S		
Control 6 EC	0.158%	11:12S	34.0°C	*** TEST PASSED ***
Control 6 IR	0.158%	11:12S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:14S		

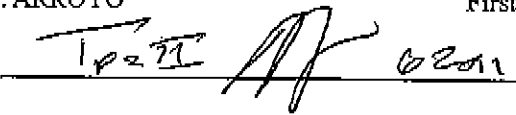
All tests within acceptable tolerance.

### Coordinator

Last Name: ARROYO

First Name: MARCOS

MI: A.

Signature: 

Badge No.: 6291

Date: 02/15/2012

# Calibrating Unit

## New Standard Solution Report

<b>Equipment</b>	Alcotest 7110 MKIII-C	Serial No.: ARWM-0025
Location:	CLIFTON CITY POLICE	
Calibration File No.:	01565	Calib. Date: 02/15/2012
Certification File No.:	01566	Calib. No.: 00024
Linearity File No.:	01567	Cert. Date: 02/15/2012
Solution File No.:	01568	Cert. No.: 00015
Sequential File No.:	01568	Lin. Date: 02/15/2012
		Lin. No.: 00015
		Soln. Date: 02/15/2012
		Soln. No.: 00135
		File Date: 02/15/2012

Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDXA S3-0033
Control Solution %:	0.100%			Expires:	08/17/2013
Solution Control Lot:	11H094			Bottle No.:	1351


Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:18S		
Control 1 EC	0.102%	12:19S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	12:19S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:20S		
Control 2 EC	0.099%	12:20S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	12:20S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:21S		
Control 3 EC	0.099%	12:22S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	12:22S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:23S		

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.

Serial Number Temp Probe # DDW5 P2-184 MD

**Changed By:**

Last Name: ARROYO	First Name: MARCOS	MI: A.
Signature: <u></u>		Badge No.: 6291
		Date: 02/15/2012

Intersafety

Alcotest<sup>®</sup> 7110 MKII-C

**CERTIFICATE OF ACCURACY**

This is to certify that the Alcotest 7110 MKII-C has been tested for accuracy and found to be in compliance with Department of Highway Traffic Safety Administration Standards for breathalyzer breath testing devices. The Alcotest MKII-C is equipped as a "zero" and "one-point" unit with 0% BAC, 0.05% BAC and 0.10% BAC. This accuracy measurement accuracy verification of this instrument within 12 months of the calibration date twice, or overall, according to your State Specifications.

Certification Date:

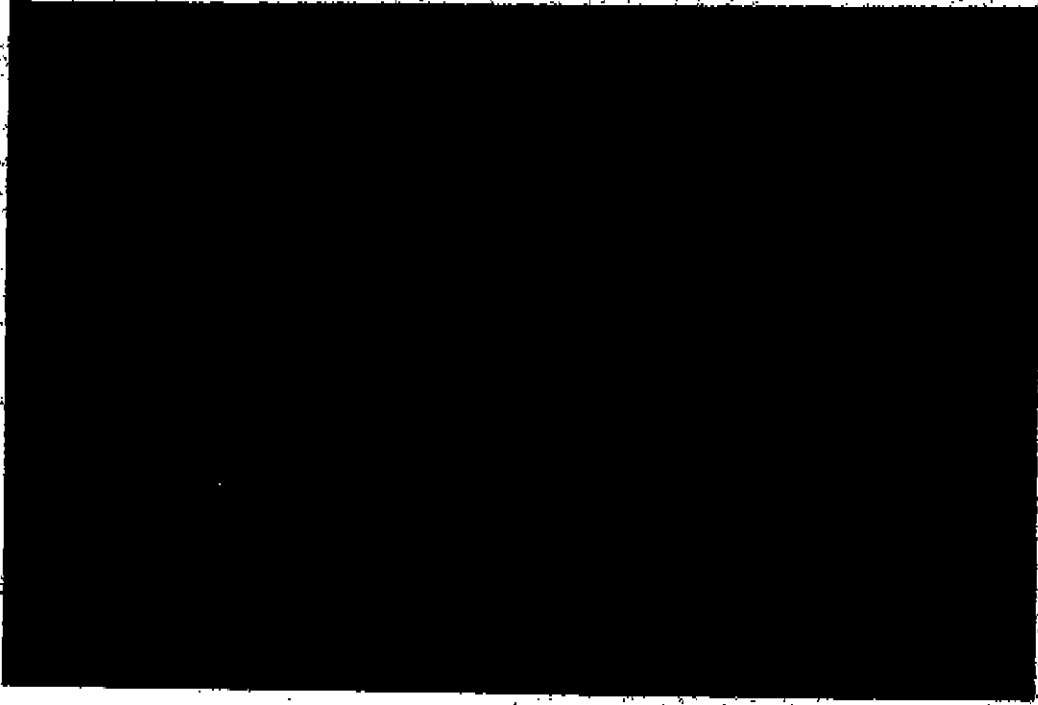
1/15/2010

SERIAL NUMBER:

AR-1111-0025

Draeger Safety Diagnostic, Inc.

\_\_\_\_\_





Calibration  
Certificate No. 1750.01



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



Cert. No.: 4000-2925204

**Traceable® Certificate of Calibration for Digital Thermometer**

Manufactured for and distributed by: VWR International, P.O. Box 2158, Secaucus, NJ 07094 U.S.A.

**Instrument Identification:**

Model: 61220-601      S/N: 101686525      Manufacturer : Control Company

**Standards/Equipment:**

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC-179	A45240		
Thermistor Module	A17118	11/19/10	A9B21010
Temperature Probe	128	12/10/10	A9B23079
Temperature Calibration Bath TC-231	A79341		
Temperature Probe	3039	12/10/10	A9B23080-1
Temperature Calibration Bath TC-218	A73332		
Thermistor Module	A27129	7/09/10	1000264338
Temperature Probe	5202	3/11/11	B0310050
Temperature Calibration Bath TC-256	B01375		
Temperature Probe	157	7/27/10	A9703011-4

**Certificate Information:**

Technician: 68      Procedure: CAL-06      Cal Date: 5/17/10      Cal Due: 5/17/12  
 Test Conditions: 23.5°C      47.0 %RH      1017 mBar

**Calibration Data: (New Instrument)**

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
°C		N.A.		0.002	-0.001	Y	-0.048	0.052	0.013	3.8:1
°C		N.A.		25.001	25.000	Y	24.951	25.051	0.013	3.8:1
°C		N.A.		60.002	60.002	Y	59.952	60.052	0.013	2.8:1
°C		N.A.		100.001	99.998	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=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=(Max-Min)/2; Min = Nominal(Rounded) - Tolerance; Max = Nominal(Rounded) + Tolerance; Date=MM/DD/YY

*Nicol Rodriguez*  
Nicol Rodriguez, Quality Manager

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

# 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	Certification date:	Next Certification due:
<u>DDXKP2-363</u>	<u>2/3/12</u>	<u>2/3/13</u>
Probe Value	Dräger Safety Diagnostics, Inc. Technical Service Department	
<u>103</u>	<u>DM</u>	



# 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:

DDWES3-0172

Certification Date

Technician

Re-Certification Due Date

2/2/12

DM

2/2/13





**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:

DDXDS3-0181

Certification Date

Technician

Re-Certification Due Date

2/2/12

DM

2/2/13



**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:

DDWES3-0200

Certification Date

Technician

Re-Certification Due Date

2/2/12

DM

2/2/13



**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:

DDXAS3-0033

Certification Date

Technician

Re-Certification Due Date

1/24/12

ZM

1/24/13

# 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

Certification date:

Next Certification due:

DDWTP2-184

1/24/12

1/24/13

Probe Value

105

**Dräger Safety Diagnostics, Inc.**  
Technical Service Department

ZM



State of New Jersey

OFFICE OF THE ATTORNEY GENERAL  
DEPARTMENT OF LAW AND PUBLIC SAFETY  
DIVISION OF STATE POLICE  
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Governor

KIM GUADAGNO  
Lt. Governor

PAULA T. DOW  
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 0.117 to 0.125 grams per 100 milliliters of solution.

MANUFACTURER: Draeger Safety, Inc.


ANALYSIS DATE: 9/23/2010

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 101082


Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1190 to 0.1194 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. 13:51-3.4, 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 September 9, 2012.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

  
Kenneth W. Kowalczyk, M.S.  
Assistant Chief Forensic Scientist  
Division of State Police

Sworn to and subscribed before me this 26<sup>th</sup> day of September, 2010.

  
Notary

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



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CHRIS CHRISTIE  
 Governor

PAULA T. DOW  
 Attorney General

KIM GUADAGNO  
 Lt. Governor

COLONEL JOSEPH R. FUENTES  
 Superintendent

**CERTIFICATION OF ANALYSIS**  
**0.04 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION**

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.045 to 0.051 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc.

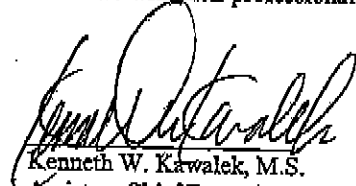
ANALYSIS DATE: 7/21/2011

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 11F090

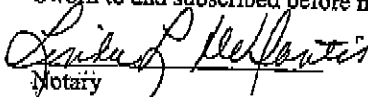
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.0478 to 0.0485 grams per 100 milliliters of solution.

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. 13:51-3.4, 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 June 27, 2013.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

  
 Kenneth W. Kawalek, M.S.  
 Assistant Chief Forensic Scientist  
 Division of State Police

Sworn to and subscribed before me this 1<sup>st</sup> day of August, 2011.

  
 Notary

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



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CHRIS CHRISTIE  
 Governor

PAULA T. DOW  
 Attorney General

KIM GUADAGNO  
 Lt. Governor

COLONEL JOSEPH R. FUENTES  
 Superintendent

**CERTIFICATION OF ANALYSIS**  
**0.16 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION**

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.188 to 0.199 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc.

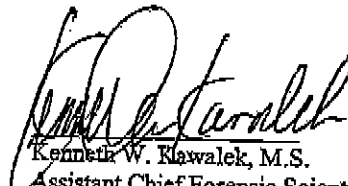
ANALYSIS DATE: 7/25/2011

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 11G092

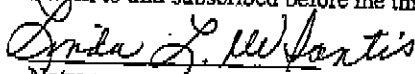
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1917 to 0.1927 grams per 100 milliliters of solution.

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. 13:51-3.4, 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 July 3, 2013.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

  
 Kenneth W. Klawalek, M.S.  
 Assistant Chief Forensic Scientist  
 Division of State Police

Sworn to and subscribed before me this 1<sup>st</sup> day of August, 2011.

  
 Notary

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



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State of New Jersey  
 OFFICE OF THE ATTORNEY GENERAL  
 DEPARTMENT OF LAW AND PUBLIC SAFETY  
 DIVISION OF STATE POLICE  
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 (609) 882-2000

CHRIS CHRISTIE  
 Governor

PAULA T. DOW  
 Attorney General

KIM GUADAGNO  
 Lt. Governor

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 0.117 to 0.125 grams per 100 milliliters of solution.

MANUFACTURER: Dräger Safety, Inc.


ANALYSIS DATE: 9/8/2011

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 11H094

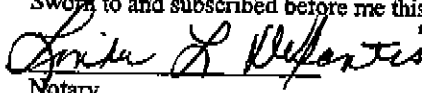
Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have a mean ethyl alcohol concentration range of 0.1197 to 0.1207 grams per 100 milliliters of solution.

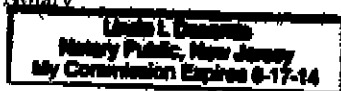
This lot of breath alcohol simulator solution may be utilized as a known traceable standard for the purpose of conducting periodic tests, pursuant to N.J.A.C. 13:51-3.4, of approved breath test instruments (N.J.A.C. 13:51-3.5) utilized by law enforcement agencies in this State. The manufacturer's expiration date for this lot of breath alcohol simulator solution is August 17, 2013.

As Assistant Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and 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.

  
 Kenneth W. Kawalek, M.S.  
 Assistant Chief Forensic Scientist  
 Division of State Police

Sworn to and subscribed before me this 12<sup>th</sup> day of September, 2011.

  
 Notary

  
 Notary Public, New Jersey  
 My Commission Expires 6-17-14



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ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 8-13-08	B.C.P.A.	[Signature]
2. 2/2/10	SARREVILLE PD	[Signature]
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 293B (Rev. 12/04)

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 10/10/06	CCPA	[Signature]
2. 9-5-08	BLPA	[Signature]
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 293B (Rev. 05/03)

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		

S.P. 293B (Rev. 07/07)

DEPARTMENT OF  
Traffic and Public Safety  
This is to certify that

MARCOS A. ARROYO JR.  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 117 OF THE LAWS OF 1966 IN THE OPERATION OF THE ALCOTEST 7110 MKIIC

A METHOD TO DETERMINE INTOXICATION GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 28th DAY OF February

TWO THOUSAND AND FIVE

[Signature]  
SUPERVISOR  
NEW JERSEY STATE POLICE

[Signature]  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

DEPARTMENT OF  
Traffic and Public Safety  
This is to certify that

Marcos A. Arroyo  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 117 OF THE LAWS OF 1966 IN THE OPERATION OF THE Breathalyzer

A METHOD TO DETERMINE INTOXICATION GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 7th DAY OF October

TWO THOUSAND AND FOUR

[Signature]  
SUPERVISOR  
NEW JERSEY STATE POLICE

[Signature]  
ATTORNEY GENERAL  
STATE OF NEW JERSEY

DEPARTMENT OF  
Traffic and Public Safety  
This is to certify that

Marcos A. Arroyo  
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 117 OF THE LAWS OF 1966 IN THE OPERATION OF THE Breath-Test Coordinator/Instructor

A METHOD TO DETERMINE INTOXICATION GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY, THIS 1st DAY OF May

TWO THOUSAND AND NINE

[Signature]  
SUPERVISOR  
NEW JERSEY STATE POLICE

[Signature]  
ATTORNEY GENERAL  
STATE OF NEW JERSEY



State of New Jersey  
OFFICE OF THE ATTORNEY GENERAL  
DEPARTMENT OF LAW AND PUBLIC SAFETY  
PO BOX 089  
TRENTON NJ 08625-0089

JOHN E. COUGHLIN  
Governor

ANNE MILGRAM  
Attorney General

May 1, 2009

Col. Joseph R. Fuentes, Superintendent  
Division of State Police  
Division Headquarters  
P. O. Box 7068  
West Trenton, New Jersey 08628

Re: Breath Test Coordinator/Instructor, Certification - Trooper Marcos A. Arroyo #6291

Dear Col. Fuentes:

Pursuant to the provisions of N.J.A.C. 13:15-51-2.1 (b) and (c), as adopted and promulgated under the provisions of N.J.S.A. 39:4-50.3, 39:3-10.25 and 12:7-56, I hereby approve Trooper Marcos A. Arroyo #6291, as a duly certified Breath Test Coordinator/Instructor. This approval is effective immediately.

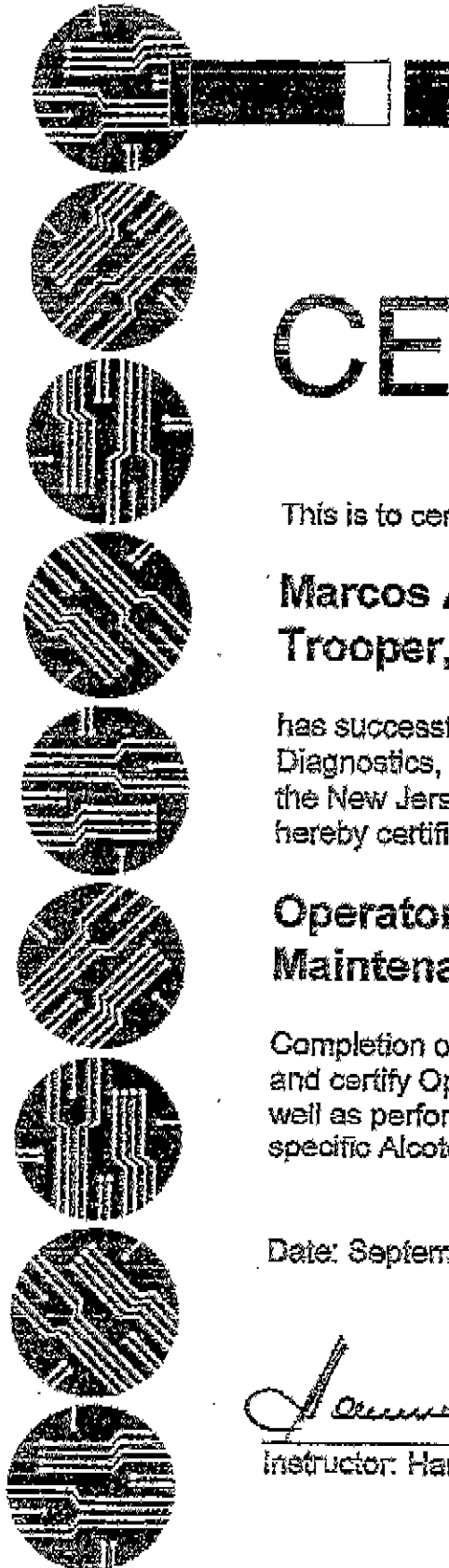
Very truly yours,

  
Anne Milgram  
Attorney General

cc: Trooper Marcos A. Arroyo #6291, Alcohol/Drug Test Unit, Division of State Police  
Lt. Paul Spitt, Unit Head, alcohol/Drug Test Unit, Division of State Police







# CERTIFICATE

This is to certify that

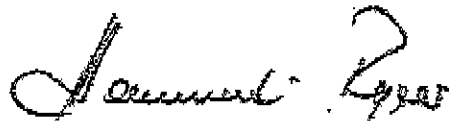
**Marcos Arroyo Jr.**  
**Trooper, #6291**

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: September 18, 2008

  
\_\_\_\_\_  
Instructor: Hansueli Ryser

**Draeger**