

Alcotest 7110 Calibration Record

Equipment

Alcotest 7110 MKIII-C
Serial No.: ARTL-0014
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00163 Calib. Date: 09/21/2007 Calib. No.: 00007
Certification File No.: 00146 Cert. Date: 05/15/2007 Cert. No.: 00004
Linearity File No.: 00147 Lin. Date: 05/15/2007 Lin. No.: 00004
Solution File No.: 00155 Soln. Date: 08/08/2007 Soln. No.: 00035
Sequential File No.: 00163 File Date: 09/21/2007

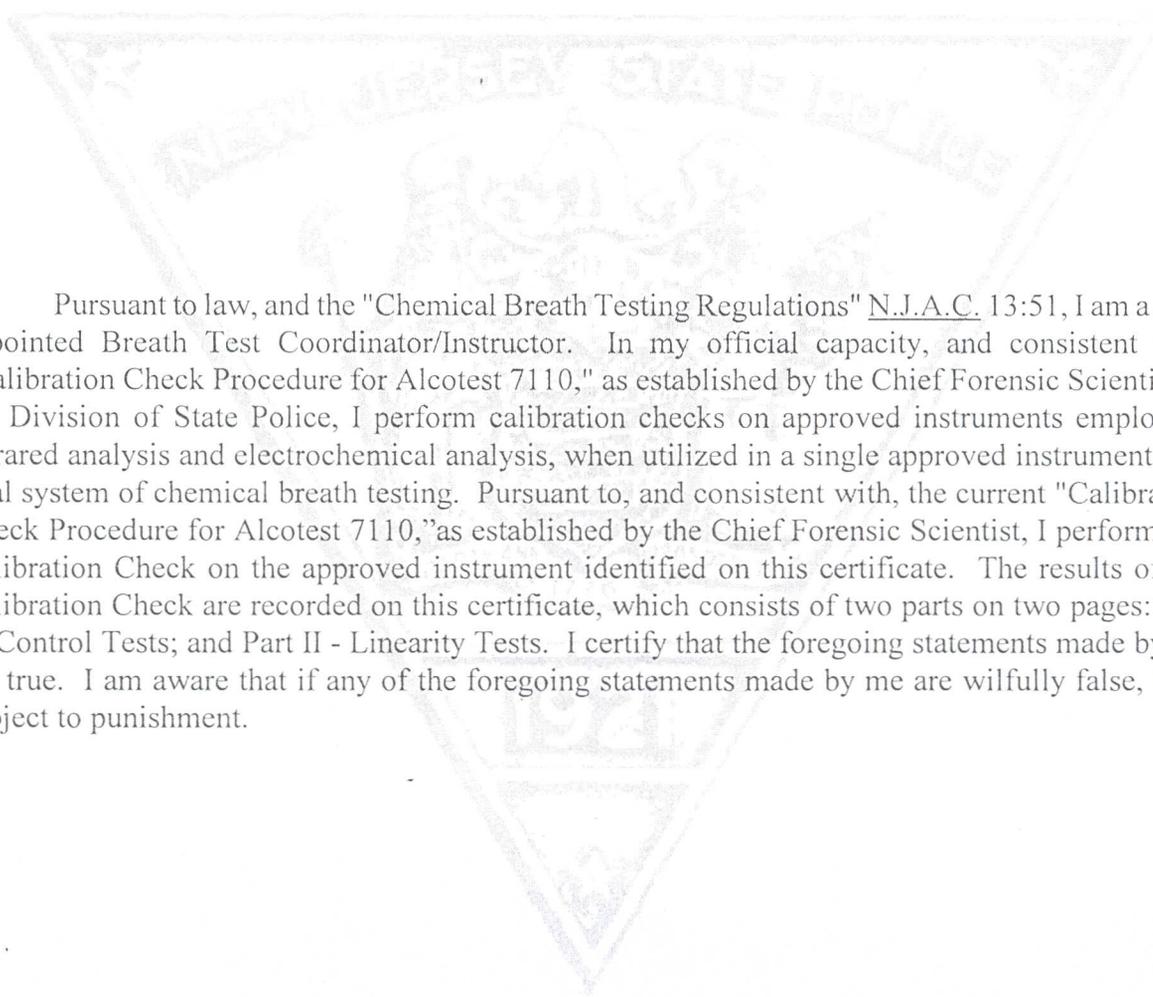
Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUF S3-0060
Control Solution %: 0.100% Expires: 02/22/2009
Solution Control Lot: 07B045 Bottle No.: 0016

Coordinator

Last Name: SNYDER First Name: THOMAS MI: J.

Signature: TPR. II Thomas J. Snyder #5792 Badge No.: 5792
Date: 09/21/2007

*Black Key Temperature Probe Serial# DDUNP2-229 JJS
*Ertco-Hart Digital Temperature Measuring System Serial# A29881 JJS



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.: ARTL-0014
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00163 Calib. Date: 09/21/2007 Calib. No.: 00007
Certification File No.: 00164 Cert. Date: 09/21/2007 Cert. No.: 00005
Linearity File No.: 00147 Lin. Date: 05/15/2007 Lin. No.: 00004
Solution File No.: 00155 Soln. Date: 08/08/2007 Soln. No.: 00035
Sequential File No.: 00164 File Date: 09/21/2007

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUF S3-0060
Control Solution %: 0.100% Expires: 02/22/2009
Solution Control Lot: 07B045 Bottle No.: 0016

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	09:43D		
Control 1 EC	0.100%	09:43D	33.9°C	*** TEST PASSED ***
Control 1 IR	0.101%	09:43D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:44D		
Control 2 EC	0.099%	09:44D	33.9°C	*** TEST PASSED ***
Control 2 IR	0.100%	09:44D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:45D		
Control 3 EC	0.100%	09:45D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.100%	09:45D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	09:46D		

All tests within acceptable tolerance.

Coordinator

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature:

TPR. II Thomas J. Snyder #5792

Badge No.: 5792

Date: 09/21/2007

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.:	ARTL-0014
Location:	SOUTH BRUNSWICK POLICE	Calib. No.:	00007
Calibration File No.:	00163	Cert. Date:	09/21/2007
Certification File No.:	00164	Lin. Date:	09/21/2007
Linearity File No.:	00165	Soln. Date:	08/08/2007
Solution File No.:	00155	File Date:	09/21/2007
Sequential File No.:	00165		
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.040%	Serial No.:	DDRK S3-0003
Solution Control Lot:	07A041	Expires:	01/26/2009
		Bottle No.:	0256
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.080%	Serial No.:	DDXD S3-0184
Solution Control Lot:	07A042	Expires:	01/26/2009
		Bottle No.:	0232
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.160%	Serial No.:	DDSC S3-0009
Solution Control Lot:	07A043	Expires:	01/26/2009
		Bottle No.:	0133

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	10:05D		
Control 1 EC	0.041%	10:06D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.040%	10:06D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:07D		
Control 2 EC	0.041%	10:08D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	10:08D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:09D		
Control 3 EC	0.082%	10:10D	33.9°C	*** TEST PASSED ***
Control 3 IR	0.081%	10:10D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:11D		
Control 4 EC	0.081%	10:12D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	10:12D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:13D		
Control 5 EC	0.160%	10:14D	33.9°C	*** TEST PASSED ***
Control 5 IR	0.160%	10:14D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:16D		
Control 6 EC	0.160%	10:16D	33.9°C	*** TEST PASSED ***
Control 6 IR	0.161%	10:16D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:18D		

All tests within acceptable tolerance.

Coordinator

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: *TR II Thomas J. Snyder #5792*

Badge No.: 5792

Date: 09/21/2007

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.:	ARTL-0014
Location:	SOUTH BRUNSWICK POLICE		
Calibration File No.:	00163	Calib. Date:	09/21/2007
Certification File No.:	00164	Cert. Date:	09/21/2007
Linearity File No.:	00165	Lin. Date:	09/21/2007
Solution File No.:	00166	Soln. Date:	09/21/2007
Sequential File No.:	00166	File Date:	09/21/2007
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.100%	Serial No.:	DDUF S3-0060
Solution Control Lot:	07B044	Expires:	02/20/2009
		Bottle No.:	0709

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	11:26D		
Control 1 EC	0.101%	11:26D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	11:26D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:27D		
Control 2 EC	0.101%	11:27D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	11:27D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:28D		
Control 3 EC	0.101%	11:29D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.101%	11:29D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:29D		

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 : DDSFP2-0416 JGS

Changed By:

Last Name: SNYDER	First Name: THOMAS	MI: J.
Signature: <u>TPR-II Thomas J. Snyder #5792</u>	Badge No.: 5792	Date: 09/21/2007



Drägersafety

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:

DDRK53-0003

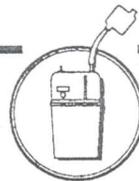
Certification Date

Technician

Re-Certification Due Date

FEB 19 2007

FEB 19 2008



Drägersafety

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:

DDXDS3-0184

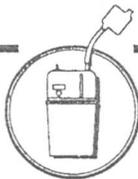
Certification Date

Technician

Re-Certification Due Date

FEB 19 2007

FEB 19 2008



Dräger safety

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:

DDSC53-0009

Certification Date

FEB 19 2007

Technician

AC

Re-Certification Due Date

FEB 19 2008

Dräger safety

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

DDUNF2 - 229

Certification date:

02/19/2007

Next Certification due:

02/19/2008

Probe Value

102

Draeger Safety Diagnostics, Inc.
Technical Service Department

CAF

Ertco-Hart Digital Temperature Measuring System

REPORT OF CALIBRATION

This is to certify that the Ertco-Hart Digital Temperature Measuring System has been tested for accuracy with instrumentation that is traceable to the National Institute of Standards and Technology (NIST). Draeger Safety Diagnostics, Inc. (DSDI) recommends accuracy verification of the Ertco-Hart Digital Temperature Measuring System within 12 months of the certification date below, or sooner, according to your state specification.

DSDI equipment used for temperature verification Serial Number: HH41 303176

Digital Units Serial Number: A29881

Probe Serial Number: 590802

Certification Date: 01/31/2007

Next Certification Due: 01/31/2008

At 34.00 °C digital unit displays 34.02 °C

Draeger Safety Diagnostics, Inc. Technician: CRD



ION S. CORZINE
Governor

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

STUART RABNER
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: Drager Safety, Inc.

ANALYSIS DATE: 04/04/07

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 07B045

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1222 to 0.1227 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 February 22, 2009.

As 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.

Ajit R. Tungare
Chief Forensic Scientist
Division of State Police

Sworn to and subscribed before me this 20th day of April, 2007.

Notary

Linda L. DeSantis
My Commission
Expires Aug. 17, 2009



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





ION S. CORZINE
Governor

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

STUART RABNER
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.040 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: 03/06/07

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 07A041

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.0483 to 0.0489 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 January 26, 2009.

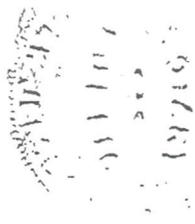
As Chief Forensic Scientist of the Division of State Police, I hereby certify and attest that the tests and results documented in this Certificate of Analysis were performed at my direction and under my supervision by personnel of, and at, the Office of Forensic Sciences of the Division of State Police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

Ajit R. Tungare
Chief Forensic Scientist
Division of State Police

Sworn to and subscribed before me this 29th day of March, 2007.

Notary

Linda L. DeSantis
My Commission
Expires Aug. 17, 2009



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





JON S. CORZINE
Governor

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

STUART RABNER
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.080 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: 03/06/07

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 07A042

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.0965 to 0.0972 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 January 26, 2009.

As 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.

Ajit R. Tungare
Chief Forensic Scientist
Division of State Police

Sworn to and subscribed before me this 29th day of March, 2007.

Linda L. DeSantis
Notary

Linda L. DeSantis
My Commission
Expires Aug. 17, 2009



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





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

JON S. CORZINE
 Governor

STUART RABNER
 Attorney General

COLONEL JOSEPH R. FUENTES
 Superintendent

CERTIFICATION OF ANALYSIS
0.160 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: 03/06/07

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 07A043

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1932 to 0.1938 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 January 26, 2009.

As 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.

Linda L. DeSantis
 My Commission
 Expires Aug. 17, 2009

Ajit R. Tungare
 Ajit R. Tungare
 Chief Forensic Scientist
 Division of State Police

Sworn to and subscribed before me this 29th day of March, 2007.

Linda L. DeSantis
 Notary



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





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

JON S. CORZINE
 Governor

STUART RABNER
 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: Drager Safety, Inc.

ANALYSIS DATE: 03/02/07

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 07B044

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1216 to 0.1221 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 February 20, 2009.

As 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.

Ajit R. Tungare

Ajit R. Tungare
 Chief Forensic Scientist
 Division of State Police

Sworn to and subscribed before me this 29th day of March, 2007.

Linda L. DeSantis
 Notary

Linda L. DeSantis
 My Commission
 Expires Aug. 17, 2009



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

DEPARTMENT OF
Traffic and Public Safety
This is to certify that

Thomas J. Snyder
Breath Test Coordinator/Instructor

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF THE LAWS OF 1966 IN THE OPERATION OF THE Alcotest 7110 MKIII-C A METHOD TO DETERMINE INTOXICATION.

GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 17th DAY OF June TWO THOUSAND AND SIX

[Signature]
SUPERINTENDENT
NEW JERSEY STATE POLICE

[Signature]
ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES _____

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

S.P. 293B (Rev. 01/06)

DEPARTMENT OF
Traffic and Public Safety
This is to certify that

Thomas J. Snyder
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 OF THE LAWS OF 1966 IN THE OPERATION OF THE ALCOTEST 7110 MKIII-C A METHOD TO DETERMINE INTOXICATION.

GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 22nd DAY OF February TWO THOUSAND AND SIX

[Signature]
SUPERINTENDENT
NEW JERSEY STATE POLICE

[Signature]
ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES _____

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

S.P. 293B (Rev. 01/06)

DEPARTMENT OF
Traffic and Public Safety
This is to certify that

Thomas J. Snyder
New Jersey State Police

IS QUALIFIED AND COMPETENT TO CONDUCT CHEMICAL BREATH ANALYSES PURSUANT TO CHAPTER 142 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 11th DAY OF Aug. TWO THOUSAND AND 00

[Signature]
SUPERINTENDENT
NEW JERSEY STATE POLICE

[Signature]
ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES _____

DATE	Refresher Course PLACE	INSTRUCTOR
1.	<u>ACTC</u>	<u>[Signature]</u>
2.	<u>CCPA</u>	<u>[Signature]</u>
3.	<u>ACTC</u>	<u>[Signature]</u>
4.		
5.		
6.		
7.		
8.		
9.		

SP-293B (Rev. 11/98)

CERTIFICATION STATEMENT:

DR. THOMAS A. BRETTELL, Ph.D.

RE: NJ 3.11 VERSION FIRMWARE, ALCOTEST® 7110 MK III

THOMAS A. BRETTELL, Ph.D., hereby Certifies to the following statements.

1. I have been designated, by the Superintendent of the Division of State Police, as the Forensic Laboratory Director, Office of Forensic Sciences, Division of State Police.

2. I have held the position of Forensic Laboratory Director, Office of Forensic Sciences, Division of State Police, since August 2001. Prior to that appointment, I served as the Chief Forensic Scientist of the Division of State Police, beginning August 1, 1998.

3. In my official capacity as Chief Forensic Scientist, and pursuant to *N.J.A.C. 13:51-3.2*, I participated in the evaluation of applications for the approval of instruments, methods and operational functions of new evidential breath testing instruments. In my official capacity as Forensic Laboratory Director, Office of Forensic Sciences, I continually evaluate and review the methods of chemical breath testing and evidential breath test instruments as approved by the Attorney General at *N.J.A.C. 13:51-3.5*.

4. In my capacity as Forensic Laboratory Director, I testified as an expert witness for the State of New Jersey in the pre-trial *N.J.R.E. §104* hearing resulting in the reported decision *State v. Foley, et al.*, 370 *N.J. Super.* 341 (Law Div. 2004). I was also present for the testimony of the other expert witnesses in that proceeding.

5. Alcotest® 7110 MK-III instruments containing version NJ 3.8 firmware, were used, in a pilot project in Pennsauken Township, Camden County to administer chemical breath test to defendants. The results of those chemical breath tests were the subject of the hearings in *State v. Foley, et al.* In the course of that hearing, it became apparent to me that there were functions and/or features within the NJ 3.8 version of the firmware that would require revision, modification or correction in order for the firmware to conform with the procedures required by the State of New Jersey for the Alcotest® 7110 MK-III instrument. In at least one instance, I testified in the hearing that certain changes to the firmware would be made, or were being contemplated.

6. The changes, revisions or modification that would be made, or were being contemplated, as referenced in the paragraph immediately above, included:

a. That the firmware in the Alcotest® 7110 MK-III must report the lowest breath result value, infrared (IR) or electrochemical (EC), of all of the acceptable breath test values considered as valid in the acceptance tolerance algorithm.

b. That the acceptance tolerance algorithm for 2 reportable breath test result must evaluate all acceptable breath test result data pairs (an IR & an EC for a single breath test) in determining the lowest breath test result.

7. Following the conclusion of the *N.J.R.E. §104* hearing in *State v. Foley, et al.*, I, as Forensic Laboratory Director, in consultation with the manufacturer of the instrument, Draeger Safety Diagnostics, Inc., the New Jersey State Police, and with legal advice from the Attorney General through the Division of Criminal Justice, decided that several additional revisions and modifications to the firmware of the Alcotest 7110 MK-IIIIC, to be used in the State of New Jersey, were required to address: (a) concerns raised by the Court in the course of the *Foley* proceedings; (b) ministerial and administrative requirements; (c) as well as form and format issues.

8. The concerns raised in the course of the *State v. Foley, et al. N.J.R.E. §104* hearings, referenced in the paragraph immediately above included:

a. Modification of the procedures and associated firmware commands by which a Breath Test Operator can terminate a breath test.

b. Institute a two-minute lock out between breath test samples.

9. In my official capacity as Forensic Laboratory Director I requested or instructed members of the Division of State Police to request, that the manufacturer make the above modifications to the NJ 3.8 version of the firmware in the Alcotest[®] 7110 MK-IIIIC. The modifications to the NJ 3.8 version of the firmware, now denominated as NJ 3.11, have no impact on the method of chemical breath testing employed in the Alcotest[®] 7110 MK-IIIIC evidential breath test instrument.

10. Any and all changes, modifications or revisions to firmware in the Alcotest[®] 7110 MK-IIIIC, must be made by the manufacturer, consistent with the Firmware Licensing Agreement for the Alcotest[®] 7110 MK-IIIIC. The State of New Jersey does not have access to, or the ability to make changes, modifications, or revisions to the firmware in the Alcotest[®] 7110 MK-IIIIC. Those functions can only be performed by the manufacturer.

11. The following is a summary of the firmware revisions, modifications, or changes that were made, the result of which is version NJ 3.11.

a. Pagination: the Alcohol Influence Report (AIR) pages are now paginated and for multi-page AIR's will print "page ___ of ___".

b. On a subsequent print request for a copy of an AIR stored in the memory of the Alcotest[®] 7110 MK-IIIIC evidential breath test instrument, the instrument will print all pages of the requested AIR.

c. When a defendant fails to provide the minimum acceptance criteria of minimum volume, or blowing time, the LED display on the instrument will display the reported deficiency message, as well as the relative quantitative value of the deficiency (Volume in Liters, Blowing Time in seconds) for a period of 30 seconds.

d. A Control Test Failure will be immediately reported on the LED display on the instrument. Control Test Failures will always be reported on AIR in addition to any other errors reported.

e. All Error messages will be reported on the AIR, not on a separate AIR document. When a test is terminated, any and all error messages which occurred prior to the termination are printed out on the AIR.

f. Instrument will maintain a lock-out of 2 minutes between defendant breath tests.

g. All tests functions (breath tests, control tests and ambient air tests) will be reported on the AIR.

h. The acceptance tolerance algorithm for a "reported breath test result" was modified to ensure that only the lowest reportable blood alcohol concentration (BAC) value is reported on the AIR. The firmware NJ 3.1.1 in the instrument will look at all of the acceptable breath test result data pairs (IR & EC) and report the lowest breath test result. To accomplish this task the firmware in the instrument must report the lowest possible BAC by comparing the resulting values of the IR and EC of duplicate breath samples of which the BAC raw values must agree within $\pm 10\%$ or ± 0.010 (whichever is greater) of the mean of the four readings. If three or more breath samples are given by the subject, the instrument must compare all possible pairs of EC and IR duplicate breath values to ensure the lowest possible BAC is reported from duplicate breath samples which agree within $\pm 10\%$ or ± 0.010 (whichever is greater) of the mean of the readings taken.

i. All test results (breath tests, control tests and ambient air tests) will be reported to three (3) decimal places on the AIR. But, the "reported breath test result" will only be reported, as a truncated decimal value, to two (2) decimal places.

j. The Breath Test Operator will have three (3) options when the defendant fails to meet minimum acceptance criteria standards. The LED on the instrument will present the Operator with the options: "Terminate", "Refusal" and "Continue"

k. The AIR format and type fonts have been changed or modified. The AIR will include the text "Copy given to defendant." The AIR will also report the defendant's height in feet and inches, and "Failed Attempts" as an Error Message.

l. If the instrument detects mouth alcohol, it will display message "Test Aborted-Mouth Alcohol Detected".

m. The instrument will display options "Terminate", "Refusal" and "Continue" when the "ready-to-blow" time expires. If the test is terminated due to "Ready To Blow Time Expired," then that message will appear on the AIR, as an error message, followed by "Test Terminated."

n. If the instrument detects an interfering substance the test is aborted and the AIR will state "Interfering Substance Detected".

o. Where a defendant provides two (2) valid and acceptable breath samples, the AIR will be reported and printed on single page.

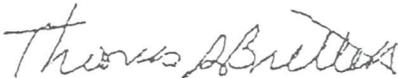
p. The header of AIR will reflect agency where instrument employed or located.

q. When the error message "Blowing Not Allowed" is displayed, the Operator will be presented with three (3) options: "Terminate"; "Refusal"; and "Continue",

r. Data fields for driver licence number, issuing state or jurisdiction of the driver licence, case number and summons number have been added.

12. The facts herein are true. 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.

DATE May 17, 2005



Thomas A. Brettell, Ph.D.

Drägersafety

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:

04/02/2007

SERIAL NUMBER:

ARTL - 0014

Draeger Safety Diagnostics, Inc.
Durango, CO

CRO

Drägersafety

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

DDSFZ-0416

Certification date:

01/10/2007

Next Certification due:

01/10/2008

Probe Value

102

Draeger Safety Diagnostics, Inc.
Technical Service Department

CRD



Drägersafety

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

01/10/2007

Technician

CRD

Re-Certification Due Date

01/10/2008

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARTL-0014
Location:	SOUTH BRUNSWICK POLICE	
Calibration File No.:	00163	Calib. Date: 09/21/2007
Certification File No.:	00164	Calib. No.: 00007
Linearity File No.:	00165	Cert. Date: 09/21/2007
Solution File No.:	00177	Cert. No.: 00005
Sequential File No.:	00177	Lin. Date: 09/21/2007
		Lin. No.: 00005
		Soln. Date: 01/10/2008
		Soln. No.: 00040
		File Date: 01/10/2008
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUH S3-0079
Solution Control Lot:	07B044	Expires: 02/20/2009
		Bottle No.: 0724

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	14:38S		
Control 1 EC	0.100%	14:38S	33.9°C	*** TEST PASSED ***
Control 1 IR	0.100%	14:38S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:39S		
Control 2 EC	0.099%	14:40S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.101%	14:40S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:40S		
Control 3 EC	0.099%	14:41S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	14:41S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:42S		

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: DJSFP2-0394 (592)

Changed By:

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: TPR-II Thomas J. Snyder # 5792

Badge No.: 5792

Date: 01/10/2008

Calibrating Unit

New Standard Solution Report

Equipment Alcotest 7110 MKIII-C Serial No.: ARTL-0014
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00163 Calib. Date: 09/21/2007 Calib. No.: 00007
Certification File No.: 00164 Cert. Date: 09/21/2007 Cert. No.: 00005
Linearity File No.: 00165 Lin. Date: 09/21/2007 Lin. No.: 00005
Solution File No.: 00189 Soln. Date: 06/17/2008 Soln. No.: 00046
Sequential File No.: 00189 File Date: 06/17/2008

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUF S3-0060
Control Solution %: 0.100% Expires: 02/20/2009
Solution Control Lot: 07B044 Bottle No.: 0706

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	15:33D		
Control 1 EC	0.099%	15:33D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	15:33D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:34D		
Control 2 EC	0.099%	15:34D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	15:34D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:35D		
Control 3 EC	0.099%	15:35D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	15:35D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:36D		

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: DDSFP2-0416 JGS

Changed By:

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature:

THOMAS J. Snyder #5792

Badge No.: 5792

Date: 06/17/2008



Dräger safety

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:

DDUHS3-0079

Certification Date

Technician

Re-Certification Due Date

06/20/2007

CRD

06/20/2008

Dräger safety

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:

DDSEPP2-0394

06/19/2007

06/19/2008

Probe Value

104

Draeger Safety Diagnostics, Inc.
Technical Service Department

CRD



Dräger safety

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

Technician

Re-Certification Due Date

03.03.08

[Signature]

03.03.09

Dräger safety

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:

DD5FP2-0416

03.03.08

03.03.09

Probe Value

102

Draeger Safety Diagnostics, Inc.
Technical Service Department

[Signature]