

Alcotest 7110 Calibration Record

Equipment Alcotest 7110 MKIII-C Serial No.: ARNK-0074
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00127 Calib. Date: 09/21/2007 Calib. No.: 00006
Certification File No.: 00075 Cert. Date: 01/05/2007 Cert. No.: 00003
Linearity File No.: 00076 Lin. Date: 01/05/2007 Lin. No.: 00003
Solution File No.: 00120 Soln. Date: 09/01/2007 Soln. No.: 00040
Sequential File No.: 00127 File Date: 09/21/2007

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUH S3-0080
Control Solution %: 0.100% Expires: 02/22/2009
Solution Control Lot: 07B045 Bottle No.: 0012

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.: ARNK-0074
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00127 Calib. Date: 09/21/2007 Calib. No.: 00006
Certification File No.: 00128 Cert. Date: 09/21/2007 Cert. No.: 00004
Linearity File No.: 00076 Lin. Date: 01/05/2007 Lin. No.: 00003
Solution File No.: 00120 Soln. Date: 09/01/2007 Soln. No.: 00040
Sequential File No.: 00128 File Date: 09/21/2007

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDUH S3-0080
Control Solution %: 0.100% Expires: 02/22/2009
Solution Control Lot: 07B045 Bottle No.: 0012

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	10:58D		
Control 1 EC	0.099%	10:58D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:58D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:59D		
Control 2 EC	0.099%	11:00D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	11:00D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:00D		
Control 3 EC	0.099%	11:01D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	11:01D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:02D		

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.: ARNK-0074
Location: SOUTH BRUNSWICK POLICE
Calibration File No.: 00127 Calib. Date: 09/21/2007 Calib. No.: 00006
Certification File No.: 00128 Cert. Date: 09/21/2007 Cert. No.: 00004
Linearity File No.: 00129 Lin. Date: 09/21/2007 Lin. No.: 00004
Solution File No.: 00120 Soln. Date: 09/01/2007 Soln. No.: 00040
Sequential File No.: 00129 File Date: 09/21/2007

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDRK S3-0003
Control Solution %: 0.040% Expires: 01/26/2009
Solution Control Lot: 07A041 Bottle No.: 0256

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDXD S3-0184
Control Solution %: 0.080% Expires: 01/26/2009
Solution Control Lot: 07A042 Bottle No.: 0232

Calibrating Unit: WET Model No.: CU-34 Serial No.: DDSC S3-0009
Control Solution %: 0.160% Expires: 01/26/2009
Solution Control Lot: 07A043 Bottle No.: 0133

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	11:20D		
Control 1 EC	0.040%	11:21D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.041%	11:21D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:22D		
Control 2 EC	0.040%	11:23D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.041%	11:23D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:24D		
Control 3 EC	0.080%	11:25D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	11:25D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:26D		
Control 4 EC	0.080%	11:27D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.080%	11:27D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:28D		
Control 5 EC	0.158%	11:29D	33.9°C	*** TEST PASSED ***
Control 5 IR	0.159%	11:29D	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:30D		
Control 6 EC	0.157%	11:31D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.158%	11:31D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:32D		

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

Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.:	ARNK-0074
Location:	SOUTH BRUNSWICK POLICE		
Calibration File No.:	00127	Calib. Date:	09/21/2007
Certification File No.:	00128	Cert. Date:	09/21/2007
Linearity File No.:	00129	Lin. Date:	09/21/2007
Solution File No.:	00130	Soln. Date:	09/21/2007
Sequential File No.:	00130	File Date:	09/21/2007
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.100%	Serial No.:	DDUH S3-0080
Solution Control Lot:	07B044	Expires:	02/20/2009
		Bottle No.:	0714

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	12:42D		
Control 1 EC	0.101%	12:43D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	12:43D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:43D		
Control 2 EC	0.100%	12:44D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	12:44D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:45D		
Control 3 EC	0.100%	12:45D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	12:45D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:46D		

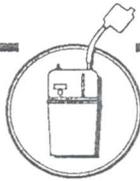
All tests within acceptable tolerance.

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: DDSFP2-0417 TJS

Changed By:

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



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:

DDRK33-0003

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:

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

DDUNP2 - 229

Certification date:

02/19/2007

Next Certification due:

02/19/2008

Probe Value

102

Draeger Safety Diagnostics, Inc.
Technical Service Department

CRD

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
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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



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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, 2008



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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, 2008



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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, 2008

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



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 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



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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: 02/08/2008

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 08A049

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1220 to 0.1225 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 9, 2010.

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 February, 2007.

Notary

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



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DEPARTMENT OF
Law 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

Joseph P. ...
SUPERINTENDENT
NEW JERSEY STATE POLICE

Julian V. ...
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
Law 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

Joseph P. ...
SUPERINTENDENT
NEW JERSEY STATE POLICE

Julian V. ...
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
Law 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

Gene ...
SUPERINTENDENT
NEW JERSEY STATE POLICE

John ...
ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES _____

DATE	Refresher Course PLACE	INSTRUCTOR
1. <u>11-18-01</u>	<u>ACTC</u>	<u>Mike ...</u>
2. <u>5-5-03</u>	<u>OCPA</u>	<u>...</u>
3. <u>4-4-05</u>	<u>ACTC</u>	<u>C. ...</u>
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____

SP-293B (Rev. 11/99)

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 a reportable breath test result must evaluate all acceptable breath test result data pairs (an IR & an BC 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-IIIc, 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-IIIc. 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-IIIc evidential breath test instrument.

10. Any and all changes, modifications or revisions to firmware in the Alcotest[®] 7110 MK-IIIc, must be made by the manufacturer, consistent with the Firmware Licensing Agreement for the Alcotest[®] 7110 MK-IIIc. 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-IIIc. 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-IIIc 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 3.11 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 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

DDDFP2-0417

Certification date:

01/10/2007

Next Certification due:

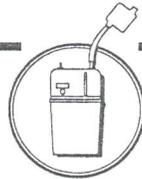
01/10/2008

Probe Value

107

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:

DDUHS3-0080

Certification Date

01/10/2007

Technician

CRD

Re-Certification Due Date

01/10/2008

STAPLES®

Drägersafety

Alcotest® 7110 MKIII-C

CERTIFICATE OF ACCURACY

This is to certify that the Alcotest 7110 MK III 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 MK III 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:

19 Jul 04

SERIAL NUMBER

APL-0074

Dräger Safety Diagnostics, Inc.
Durango, CO



Calibrating Unit

New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARNK-0074
Location:	SOUTH BRUNSWICK POLICE	
Calibration File No.:	00127	Calib. Date: 09/21/2007
Certification File No.:	00128	Calib. No.: 00006
Linearity File No.:	00129	Cert. Date: 09/21/2007
Solution File No.:	00154	Cert. No.: 00004
Sequential File No.:	00154	Lin. Date: 09/21/2007
		Lin. No.: 00004
		Soln. Date: 01/10/2008
		Soln. No.: 00045
		File Date: 01/10/2008
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUF S3-0061
Solution Control Lot:	07B044	Expires: 02/20/2009
		Bottle No.: 0725

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	14:42S		
Control 1 EC	0.100%	14:42S	34.1°C	*** TEST PASSED ***
Control 1 IR	0.101%	14:42S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:43S		
Control 2 EC	0.099%	14:44S	34.1°C	*** TEST PASSED ***
Control 2 IR	0.100%	14:44S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:45S		
Control 3 EC	0.099%	14:45S	34.1°C	*** TEST PASSED ***
Control 3 IR	0.100%	14:45S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:46S		

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: DDUSP2-215 59

Changed By:

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: TPR-II Thomas J. Snyder #5792

Badge No.: 5792

Date: 01/10/2008



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:

DDUFS3-0061

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

DDUJP2-215

Certification date:

06/19/2007

Next Certification due:

06/19/2008

Probe Value

104

Draeger Safety Diagnostics, Inc.
Technical Service Department

CRD

Calibrating Unit New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C	Serial No.: ARNK-0074
Location:	SOUTH BRUNSWICK POLICE	
Calibration File No.:	00127	Calib. Date: 09/21/2007
Certification File No.:	00128	Calib. No.: 00006
Linearity File No.:	00129	Cert. Date: 09/21/2007
Solution File No.:	00186	Cert. No.: 00004
Sequential File No.:	00186	Lin. Date: 09/21/2007
		Lin. No.: 00004
		Soln. Date: 06/17/2008
		Soln. No.: 00053
		File Date: 06/17/2008
Calibrating Unit:	WET	Model No.: CU-34
Control Solution %:	0.100%	Serial No.: DDUH S3-0080
Solution Control Lot:	07B044	Expires: 02/20/2009
		Bottle No.: 0721

Function	Result	Time	Temperature	Comment(s)
	%BAC	HH:MM	Simulator (°C)	or Error(s)
Ambient Air Blank	0.000%	15:19D		
Control 1 EC	0.101%	15:20D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	15:20D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:21D		
Control 2 EC	0.099%	15:21D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	15:21D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:22D		
Control 3 EC	0.099%	15:22D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	15:22D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	15:23D		

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: DJSFP2-0417 JJS

Changed By:

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: TH. I. Thomas J. Snyder #5792

Badge No.: 5792

Date: 06/17/2008



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:

DDUH53-0080

Certification Date

03-03-08

Technician

Re-Certification Due Date

03-03-09

Drägersafety

ALCOTEST® 7110 TEMPERATURE PROBE

CERTIFICATE OF ACCURACY

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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

DDSF2-0417

Certification date:

03-03-08

Next Certification due:

03-03-09

Probe Value

107

Draeger Safety Diagnostics, Inc.
Technical Service Department