

Alcotest 7110 Calibration Record

Equipment

Location:	Alcotest 7110 MKIII-C	Serial No.:	ARTL-0005
Calibration File No.:	PLAINSBORO TOWNSHIP PD	Calib. No.:	00007
Certification File No.:	00403	Cert. No.:	00004
Linearity File No.:	00298	Lin. No.:	00004
Solution File No.:	00299	Soln. No.:	00058
Sequential File No.:	00399	File Date:	11/14/2007
	00403		
Calibrating Unit:	WET	Model No.:	CU-34
Control Solution %:	0.100%	Serial No.:	DDUF S3-0065
Solution Control Lot:	07B045	Expires:	02/22/2009
		Bottle No.:	0231

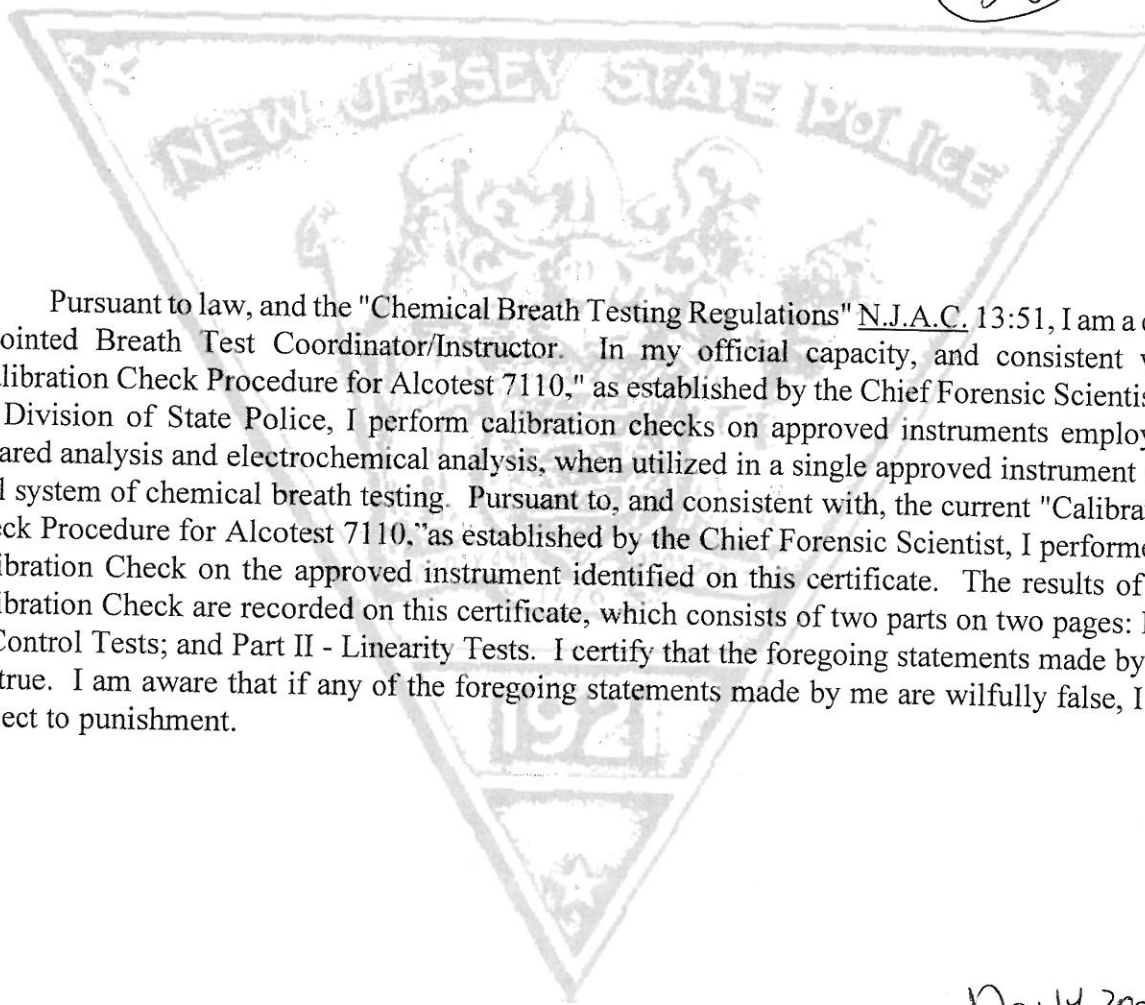
Coordinator

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

Signature: TPK II Thomas J. Snyder #5792 Badge No.: 5792 Date: 11/14/2007

*Black Key Temperature Probe Serial# DDUNP2-229 JS

*Ertco-Hart Digital Temperature Measuring System Serial# A 29881 JS



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.

Nov 14, 2007 -
Feb 5, 2008

Alcotest 7110 Calibration Certificate

Part I - Control Tests

Equipment

Alcotest 7110 MKIII-C
Location: PLAINSBORO TOWNSHIP PD

Serial No.: ARTL-0005

Calibration File No.: 00403 Calib. Date: 11/14/2007
Certification File No.: 00404 Cert. Date: 11/14/2007
Linearity File No.: 00299 Lin. Date: 01/29/2007
Solution File No.: 00399 Soln. Date: 10/26/2007
Sequential File No.: 00404 File Date: 11/14/2007

Calib. No.: 00007
Cert. No.: 00005
Lin. No.: 00004
Soln. No.: 00058

Calibrating Unit: WET
Control Solution %: 0.100%
Solution Control Lot: 07B045

Model No.: CU-34

Serial No.: DDUF S3-0065
Expires: 02/22/2009
Bottle No.: 0231

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	10:36S		
Control 1 EC	0.099%	10:36S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	10:36S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:37S		
Control 2 EC	0.098%	10:37S	33.9°C	*** TEST PASSED ***
Control 2 IR	0.099%	10:37S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:38S		
Control 3 EC	0.099%	10:39S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	10:39S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:39S		

All tests within acceptable tolerance.

Coordinator

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: THOMAS J. SNYDER #5792

Badge No.: 5792

Date: 11/14/2007

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-0005
Location:	PLAINSBORO TOWNSHIP PD	
Calibration File No.:	00403	Calib. Date: 11/14/2007
Certification File No.:	00404	Calib. No.: 00007
Linearity File No.:	00405	Cert. Date: 11/14/2007
Solution File No.:	00399	Cert. No.: 00005
Sequential File No.:	00405	Lin. Date: 11/14/2007
		Lin. No.: 00005
		Soln. Date: 10/26/2007
		Soln. No.: 00058
		File Date: 11/14/2007
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.: 0453
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.: 0285
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.: 0586

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	10:51S		
Control 1 EC	0.042%	10:52S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.040%	10:52S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:53S		
Control 2 EC	0.041%	10:54S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.038%	10:54S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:55S		
Control 3 EC	0.081%	10:56S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	10:56S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:57S		
Control 4 EC	0.080%	10:58S	34.0°C	*** TEST PASSED ***
Control 4 IR	0.079%	10:58S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	10:59S		
Control 5 EC	0.160%	11:00S	34.0°C	*** TEST PASSED ***
Control 5 IR	0.160%	11:00S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:01S		
Control 6 EC	0.158%	11:02S	33.9°C	*** TEST PASSED ***
Control 6 IR	0.159%	11:02S	33.9°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	11:03S		

All tests within acceptable tolerance.

Coordinator

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: T.P.R. II Thomas J. Snyder #5792

Badge No.: 5792

Date: 11/14/2007

Calibrating Unit

New Standard Solution Report

Equipment

Alcotest 7110 MKIII-C
Location: PLAINSBORO TOWNSHIP PD
Calibration File No.: 00403
Certification File No.: 00404
Linearity File No.: 00405
Solution File No.: 00406
Sequential File No.: 00406

Calib. Date: 11/14/2007
Cert. Date: 11/14/2007
Lin. Date: 11/14/2007
Soln. Date: 11/14/2007
File Date: 11/14/2007

Serial No.: ARTL-0005
Calib. No.: 00007
Cert. No.: 00005
Lin. No.: 00005
Soln. No.: 00059

Calibrating Unit: WET
Control Solution %: 0.100%
Solution Control Lot: 06K037

Model No.: CU-34
Serial No.: DDUF S3-0065
Expires: 11/17/2008
Bottle No.: 0709

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	12:18S		
Control 1 EC	0.101%	12:19S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	12:19S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:19S		
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%	12:21S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.100%	12:21S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:22S		

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: DDUSP2-144 (595)

Changed By:

Last Name: SNYDER

First Name: THOMAS

MI: J.

Signature: TPR. II Thomas J. Snyder #5792

Badge No.: 5792

Date: 11/14/2007



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:

DDRK53-0003

Certification Date

FEB 19 2007

Technician

[Signature]

Re-Certification Due Date

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:

DDXD53-0184

Certification Date

FEB 19 2007

Technician

[Signature]

Re-Certification Due Date

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

CAD

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



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Governor

State of New Jersey
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(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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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

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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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

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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Attorney General

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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



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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: 12/06/06

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 06K037

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1213 to 0.1216 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 November 17, 2008.

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 16th day of January 2007.

Linda L. DeSantis
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

[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
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

[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
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

[Signature]
SUPERINTENDENT
NEW JERSEY STATE POLICE

[Signature]
ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. <u>11-14-01</u>	<u>ACTC</u>	<u>[Signature]</u>
2. <u>5-5-02</u>	<u>OCPA</u>	<u>[Signature]</u>
3. <u>4-4-05</u>	<u>ACTC</u>	<u>[Signature]</u>
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____

SP-293B (Rev. 11/96)

CERTIFICATION STATEMENT:

DR. THOMAS A. BRETTELL, Ph.D.

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

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-IIIIC 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-IIIIC 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-IIIIC 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.

Dräger safety

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:

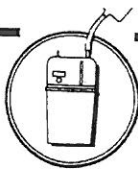
01/22/2007

SERIAL NUMBER:

ARTL-0005

Draeger Safety Diagnostics, Inc.
Durango, CO

URD



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 - 0065

Certification Date

02/12/2007

Technician

CA

Re-Certification Due Date

02/12/2008

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

DDUJP2 - 144

Certification date:

02/12/2007

Next Certification due:

02/12/2008

Probe Value

105

Draeger Safety Diagnostics, Inc.
Technical Service Department

CA

DEPARTMENT OF
Traffic and Public Safety
This is to certify that

JOHN A. BRESNEN
PLAINSBORO TWP.

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 MKJIC**
A METHOD TO DETERMINE INTOXICATION.
GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS **12th** DAY OF **November**

TWO THOUSAND AND **FOUR**

[Signature]
SUPERINTENDENT
NEW JERSEY STATE POLICE

[Signature]
ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

DATE	Refresher Course PLACE	INSTRUCTOR
1. 11/17/06	Sayre POS.	<i>[Signature]</i>
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____