Alcotest 7110 Calibration Record

Equipment	Alcotest 7110 MKIII-C			Serial No.:	ARTL-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00005	Calib. Date:	01/05/2005	Calib. No.:	00002
Certification File No.:	00000	Cert. Date:	--/--/----	Cert. No.:	00000
Linearity File No.:	00000	Lin. Date:	--/--/----	Lin. No.:	00000
Solution File No.:	00003	Soln. Date:	06/30/2004	Soln. No.:	00001
Sequential File No.:	00005	File Date:	01/05/2005		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0064
Control Solution %:	0.100%			Expires:	11/13/2006
Solution Control Lot:	04K008			Bottle No.:	0871

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: M B Russo Badge No.: 5204

Date: 01/05/2005

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-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00005	Calib. Date:	01/05/2005	Calib. No.:	00002
Certification File No.:	00006	Cert. Date:	01/05/2005	Cert. No.:	00001
Linearity File No.:	00000	Lin. Date:	--/--/----	Lin. No.:	00000
Solution File No.:	00003	Soln. Date:	06/30/2004	Soln. No.:	00001
Sequential File No.:	00006	File Date:	01/05/2005		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0064
Control Solution %:	0.100%			Expires:	11/13/2006
Solution Control Lot:	04K008			Bottle No.:	0871

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	13:25S		
Control 1 EC	0.099%	13:26S	34.0°C	*** TEST PASSED ***
Control 1 IR	0.099%	13:26S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:26S		
Control 2 EC	0.099%	13:27S	34.0°C	*** TEST PASSED ***
Control 2 IR	0.098%	13:27S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:27S		
Control 3 EC	0.099%	13:28S	34.0°C	*** TEST PASSED ***
Control 3 IR	0.098%	13:28S	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:29S		

All tests within acceptable tolerance.

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: M B Russo Badge No.: 5204

Date: 01/05/2005

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.:	00005	Calib. Date:	01/05/2005	Calib. No.:	00002
Certification File No.:	00006	Cert. Date:	01/05/2005	Cert. No.:	00001
Linearity File No.:	00007	Lin. Date:	01/05/2005	Lin. No.:	00001
Solution File No.:	00003	Soln. Date:	06/30/2004	Soln. No.:	00001
Sequential File No.:	00007	File Date:	01/05/2005		

Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDMK S3-0007
Control Solution %:	0.040%			Expires:	03/04/2006
Solution Control Lot:	04C002			Bottle No.:	0008

Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDRK S3-0023
Control Solution %:	0.080%			Expires:	03/04/2006
Solution Control Lot:	04C003			Bottle No.:	0005

Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDRK S3-0011
Control Solution %:	0.160%			Expires:	03/04/2006
Solution Control Lot:	04C004			Bottle No.:	0013

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	13:43S		
Control 1 EC	0.040%	13:44S	34.1°C	*** TEST PASSED ***
Control 1 IR	0.040%	13:44S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:45S		
Control 2 EC	0.040%	13:46S	34.1°C	*** TEST PASSED ***
Control 2 IR	0.040%	13:46S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:47S		
Control 3 EC	0.079%	13:47S	34.1°C	*** TEST PASSED ***
Control 3 IR	0.078%	13:47S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:49S		
Control 4 EC	0.079%	13:49S	34.1°C	*** TEST PASSED ***
Control 4 IR	0.078%	13:49S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:51S		
Control 5 EC	0.158%	13:51S	34.1°C	*** TEST PASSED ***
Control 5 IR	0.159%	13:51S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:53S		
Control 6 EC	0.158%	13:53S	34.1°C	*** TEST PASSED ***
Control 6 IR	0.158%	13:53S	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:55S		

All tests within acceptable tolerance.

Coordinator
Last Name: RUSSO First Name: MATTEO MI: B

Signature:  Badge No.: 5204
Date: 01/05/2005

Alcotest 7110 Calibration Record

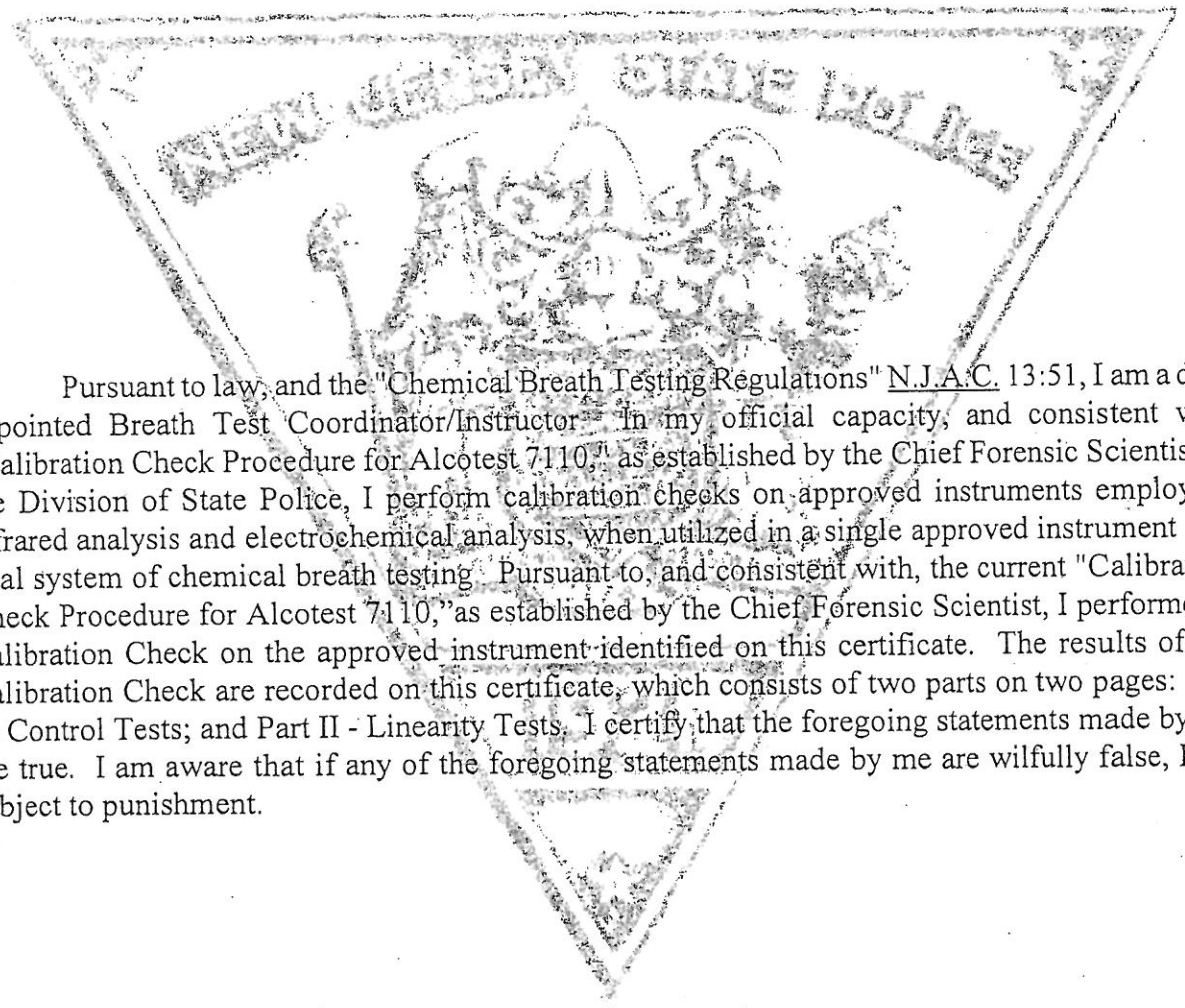
Equipment	Alcotest 7110 MKIII-C			Serial No.:	ARTL-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00067	Calib. Date:	06/29/2005	Calib. No.:	00003
Certification File No.:	00006	Cert. Date:	01/05/2005	Cert. No.:	00001
Linearity File No.:	00007	Lin. Date:	01/05/2005	Lin. No.:	00001
Solution File No.:	00066	Soln. Date:	06/28/2005	Soln. No.:	00011
Sequential File No.:	00067	File Date:	06/29/2005		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0064
Control Solution %:	0.100%			Expires:	06/01/2006
Solution Control Lot:	04E006			Bottle No.:	0717

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: M B Russo Badge No.: 5204

Date: 06/29/2005



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-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00067	Calib. Date:	06/29/2005	Calib. No.:	00003
Certification File No.:	00068	Cert. Date:	06/29/2005	Cert. No.:	00002
Linearity File No.:	00007	Lin. Date:	01/05/2005	Lin. No.:	00001
Solution File No.:	00066	Soln. Date:	06/28/2005	Soln. No.:	00011
Sequential File No.:	00068	File Date:	06/29/2005		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0064
Control Solution %:	0.100%			Expires:	06/01/2006
Solution Control Lot:	04E006			Bottle No.:	0717

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	14:17D		
Control 1 EC	0.099%	14:18D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.100%	14:18D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:18D		
Control 2 EC	0.098%	14:19D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.100%	14:19D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:19D		
Control 3 EC	0.099%	14:20D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	14:20D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:21D		

All tests within acceptable tolerance.

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: _____ Badge No.: 5204

Date: 06/29/2005

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.:	00067	Calib. Date:	06/29/2005	Calib. No.:	00003
Certification File No.:	00068	Cert. Date:	06/29/2005	Cert. No.:	00002
Linearity File No.:	00069	Lin. Date:	06/29/2005	Lin. No.:	00002
Solution File No.:	00066	Soln. Date:	06/28/2005	Soln. No.:	00011
Sequential File No.:	00069	File Date:	06/29/2005		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDMK S3-0007
Control Solution %:	0.040%			Expires:	03/04/2006
Solution Control Lot:	04C002			Bottle No.:	0058
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDRK S3-0011
Control Solution %:	0.080%			Expires:	03/04/2006
Solution Control Lot:	04C003			Bottle No.:	0058
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDRK S3-0023
Control Solution %:	0.160%			Expires:	03/04/2006
Solution Control Lot:	04C004			Bottle No.:	0023

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	14:38D		
Control 1 EC	0.041%	14:38D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.041%	14:38D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:40D		
Control 2 EC	0.040%	14:40D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.040%	14:40D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:42D		
Control 3 EC	0.080%	14:42D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.080%	14:42D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:44D		
Control 4 EC	0.080%	14:44D	34.0°C	*** TEST PASSED ***
Control 4 IR	0.079%	14:44D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:46D		
Control 5 EC	0.159%	14:46D	34.0°C	*** TEST PASSED ***
Control 5 IR	0.160%	14:46D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:48D		
Control 6 EC	0.159%	14:48D	34.0°C	*** TEST PASSED ***
Control 6 IR	0.159%	14:48D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	14:50D		

All tests within acceptable tolerance.

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: M D Russo Badge No.: 5204

Date: 06/29/2005

Alcotest 7110 Calibration Record

Equipment	Alcotest 7110 MKIII-C			Serial No.:	ARTL-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00215	Calib. Date:	06/27/2006	Calib. No.:	00004
Certification File No.:	00068	Cert. Date:	06/29/2005	Cert. No.:	00002
Linearity File No.:	00069	Lin. Date:	06/29/2005	Lin. No.:	00002
Solution File No.:	00214	Soln. Date:	06/27/2006	Soln. No.:	00032
Sequential File No.:	00215	File Date:	06/27/2006		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0065
Control Solution %:	0.100%			Expires:	11/29/2007
Solution Control Lot:	05K021			Bottle No.:	0592

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: MB Russo Badge No.: 5204

Date: 06/27/2006

Black Key Temperature Probe Serial Number DDMBP1-0004 MBR

Ertco-Hart Digital Measuring System Serial Number A18520 MBR

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-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00215	Calib. Date:	06/27/2006	Calib. No.:	00004
Certification File No.:	00216	Cert. Date:	06/27/2006	Cert. No.:	00003
Linearity File No.:	00069	Lin. Date:	06/29/2005	Lin. No.:	00002
Solution File No.:	00214	Soln. Date:	06/27/2006	Soln. No.:	00032
Sequential File No.:	00216	File Date:	06/27/2006		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0065
Control Solution %:	0.100%			Expires:	11/29/2007
Solution Control Lot:	05K021			Bottle No.:	0592

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	12:23D		
Control 1 EC	0.100%	12:23D	34.1°C	*** TEST PASSED ***
Control 1 IR	0.099%	12:23D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:24D		
Control 2 EC	0.098%	12:25D	34.1°C	*** TEST PASSED ***
Control 2 IR	0.100%	12:25D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:25D		
Control 3 EC	0.098%	12:26D	34.1°C	*** TEST PASSED ***
Control 3 IR	0.099%	12:26D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:27D		

All tests within acceptable tolerance.

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: _____ Badge No.: 5204

Date: 06/27/2006

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.:	00215	Calib. Date:	06/27/2006	Calib. No.:	00004
Certification File No.:	00216	Cert. Date:	06/27/2006	Cert. No.:	00003
Linearity File No.:	00217	Lin. Date:	06/27/2006	Lin. No.:	00003
Solution File No.:	00214	Soln. Date:	06/27/2006	Soln. No.:	00032
Sequential File No.:	00217	File Date:	06/27/2006		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDMK S3-0007
Control Solution %:	0.040%			Expires:	02/25/2008
Solution Control Lot:	06B026			Bottle No.:	0030
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDRK S3-0011
Control Solution %:	0.080%			Expires:	02/24/2008
Solution Control Lot:	06B024			Bottle No.:	0082
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDWJ S3-0334
Control Solution %:	0.160%			Expires:	02/25/2008
Solution Control Lot:	06B025			Bottle No.:	0126

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	12:36D		
Control 1 EC	0.041%	12:37D	34.1°C	*** TEST PASSED ***
Control 1 IR	0.041%	12:37D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:38D		
Control 2 EC	0.041%	12:39D	34.1°C	*** TEST PASSED ***
Control 2 IR	0.040%	12:39D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:40D		
Control 3 EC	0.082%	12:41D	34.1°C	*** TEST PASSED ***
Control 3 IR	0.079%	12:41D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:42D		
Control 4 EC	0.081%	12:43D	34.1°C	*** TEST PASSED ***
Control 4 IR	0.079%	12:43D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:44D		
Control 5 EC	0.160%	12:45D	34.1°C	*** TEST PASSED ***
Control 5 IR	0.158%	12:45D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:46D		
Control 6 EC	0.159%	12:47D	34.1°C	*** TEST PASSED ***
Control 6 IR	0.160%	12:47D	34.1°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	12:48D		

All tests within acceptable tolerance.

Coordinator

Last Name: RUSSO First Name: MATTEO MI: B

Signature: M B Russo Badge No.: 5204

Date: 06/27/2006

Calibrating Unit
New Standard Solution Report

Equipment	Alcotest 7110 MKIII-C			Serial No.:	ARTL-0005
Location:	PLAINSBORO TOWNSHIP PD				
Calibration File No.:	00215	Calib. Date:	06/27/2006	Calib. No.:	00004
Certification File No.:	00216	Cert. Date:	06/27/2006	Cert. No.:	00003
Linearity File No.:	00217	Lin. Date:	06/27/2006	Lin. No.:	00003
Solution File No.:	00218	Soln. Date:	06/27/2006	Soln. No.:	00033
Sequential File No.:	00218	File Date:	06/27/2006		
Calibrating Unit:	WET	Model No.:	CU-34	Serial No.:	DDUF S3-0065
Control Solution %:	0.100%			Expires:	12/15/2007
Solution Control Lot:	05L022			Bottle No.:	0098

Function	Result %BAC	Time HH:MM	Temperature Simulator (°C)	Comment(s) or Error(s)
Ambient Air Blank	0.000%	13:54D		
Control 1 EC	0.100%	13:54D	34.0°C	*** TEST PASSED ***
Control 1 IR	0.102%	13:54D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:55D		
Control 2 EC	0.098%	13:56D	34.0°C	*** TEST PASSED ***
Control 2 IR	0.099%	13:56D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:57D		
Control 3 EC	0.099%	13:57D	34.0°C	*** TEST PASSED ***
Control 3 IR	0.099%	13:57D	34.0°C	*** TEST PASSED ***
Ambient Air Blank	0.000%	13:58D		

All tests within acceptable tolerance.

On this date, I installed the above indicated "NEW SOLUTION" in acordance with Alcotest 7110 operator training and procedures established by the (NJSP) Chief Forensic Scientist.

TEMPERATURE PROBE SERIAL # DDUJP2-144 MBR

Changed By:

Last Name: RUSSO First Name: MATTEO MI: B

Signature: MB Russo Badge No.: 5204

Date: 06/27/2006

DEPARTMENT OF

Law and Public Safety

This is to certify that

MATTEO B. RUSSO

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 MKIIIC A METHOD TO DETERMINE INTOXICATION.

GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS 1st DAY OF November TWO THOUSAND AND FOUR

SUPERINTENDENT
NEW JERSEY STATE POLICE

ATTORNEY GENERAL
STATE OF NEW JERSEY

ORIGINAL COURSE DATES

Refresher Course

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

S.P. 2038 (Rev. 12/04)

DEPARTMENT OF

Law and Public Safety

This is to certify that
MATTEO B. RUSSO
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 *1ST* DAY OF *NOVEMBER*
TWO THOUSAND AND *FOUR*

SUPERINTENDENT
NEW JERSEY STATE POLICE

ATTORNEY GENERAL
STATE OF NEW JERSEY

 S.P. 2934 (Rev. 12/04)

CERTIFICATION STATEMENT:
DR. THOMAS A. BRETTELL, Ph.D.
RE: NJ 3.11 VERSION FIRMWARE, ALCOTEST® 7110 MK IIIC

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-IIIC 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 verison 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-IIIC 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-IIIC 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 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-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 verison 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 ±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 ±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

Thomas A. Brettell, Ph.D.

DEPARTMENT OF

Law 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 MKIII-C* A METHOD TO DETERMINE INTOXICATION

GIVEN UNDER MY HAND AT TRENTON, NEW JERSEY THIS *14TH* DAY OF *NOVEMBER* TWO THOUSAND AND *Four*

SUPERINTENDENT
NEW JERSEY STATE POLICE

ATTORNEY GENERAL
STATE OF NEW JERSEY

S.P. 293A (Rev. 06/03)

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: 30 JUN 04

SERIAL NUMBER: ARTL-0005

Draeger Safety Diagnostics, Inc.
Durango, CO

Dräger safety

ALCOTEST® 7110 TEMPERATURE PROBE

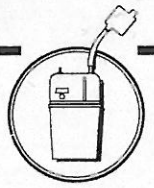
CERTIFICATE OF ACCURACY

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:
DDSF P2 - 0396	24 JUN 04	24 JUN 05

Probe Value: 105

Draeger Safety Diagnostics, Inc.
Technical Service Department



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.

- (X) Model: ALCOTEST® CU34
- ( ) Model: MARK IIA
- ( ) Other: _____

Serial Number: DDUF 53 - 0064

Certification Date	Technician	Re-Certification Due Date
28 JUN 04		28 JUN 05

State of New Jersey

JAMES E. MCGREEVEY
Governor

DEPARTMENT OF LAW AND PUBLIC SAFETY
DIVISION OF STATE POLICE
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PETER C. HARVEY
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.04 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Drager Safety, Inc. **ANALYSIS DATE:** 4/28/04

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 04C002

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.0476 to 0.0479 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 March 4, 2006.

As Forensic Laboratory Director 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.

Thomas A. Brettell, Ph.D.
Forensic Laboratory Director
Division of State Police

Sworn to and subscribed before me this 5th day of May, 2004.

Notary

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

State of New Jersey

JAMES E. MCGREEVEY
Governor

DEPARTMENT OF LAW AND PUBLIC SAFETY
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PETER C. HARVEY
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.08 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Drager Safety, Inc. **ANALYSIS DATE:** 4/28/04

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 04C003

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.0959 to 0.0962 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 March 4, 2006.

As Forensic Laboratory Director 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.

Thomas A. Brettell, Ph.D.
Forensic Laboratory Director
Division of State Police

Sworn to and subscribed before me this 5th day of May, 2004.

Notary

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

State of New Jersey
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DEPARTMENT OF LAW AND PUBLIC SAFETY
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RICHARD J. CODEY
Acting Governor

PETER C. HARVEY
Attorney General

COLONEL JOSEPH R. FUENTI
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:** 12/15/04

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 04K008

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1219 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 November 13, 2006.

As Forensic Laboratory Director 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.

Thomas A. Brettell

Thomas A. Brettell, Ph.D.
Forensic Laboratory Director
Division of State Police

Sworn to and subscribed before me this 31st day of December, 2004.

Linda L. DeSantis
Notary

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

State of New Jersey
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JON S. CORZINE
Governor

ZULIMA V. FARBER
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:** 3/29/06

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 06C027

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1201 to 0.1206 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 March 3, 2008.

As Forensic Laboratory Director 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.

Thomas A. Brettell, Ph.D.
Forensic Laboratory Director
Division of State Police

Sworn to and subscribed before me this 26th day of April, 2006.

Notary

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

HONOR STATE POLICE NJ

State of New Jersey
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JON S. CORZINE
Governor

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.10 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

ACCEPTANCE SPECIFICATIONS FOR BREATH ALCOHOL SIMULATOR SOLUTION: Ethyl alcohol concentration within, but not exceeding, the range of 0.117 to 0.125 grams per 100 milliliters of solution.

MANUFACTURER: Drager Safety, Inc. **ANALYSIS DATE:** 1/04/06

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 05L022

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 0.1214 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 December 15, 2007.

As Forensic Laboratory Director 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.

Thomas A. Brettell, Ph.D.
Forensic Laboratory Director
Division of State Police

Sworn to and subscribed before me this 26th day of January, 2006.

Notary

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

State of New Jersey

JAMES E. MCGREEVEY
Governor

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PETER C. HARVEY
Attorney General

COLONEL JOSEPH R. FUENTES
Superintendent

CERTIFICATION OF ANALYSIS
0.16 PERCENT BREATH ALCOHOL SIMULATOR SOLUTION

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

MANUFACTURER: Drager Safety, Inc. **ANALYSIS DATE:** 4/28/04

BREATH ALCOHOL SIMULATOR SOLUTION LOT NUMBER: 04C004

Representative samples of the above-referenced Lot Number were tested by Gas Chromatography and found to have an ethyl alcohol concentration range of 0.1924 to 0.1928 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 March 4, 2006.

As Forensic Laboratory Director 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.

Thomas A. Brettell, Ph.D.
Forensic Laboratory Director
Division of State Police

Sworn to and subscribed before me this 5th day of May, 2004.

Notary

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