



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II

SERIAL NUMBER: 010635

DATE CERTIFICATION METHOD PERFORMED: February 2, 2015

DATE RECERTIFICATION DUE: August 1, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L	0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

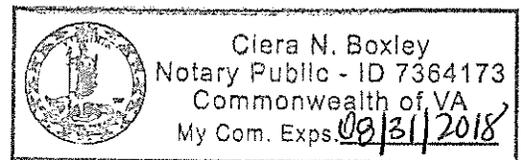
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 3rd day of February, 2015 by Timmy L. Neece, Jr.

Ciera N. Boxley JPD
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
2/2/2014 To 2/2/2015

HMS
TLN

Instrument Serial Number: 010635

As of 02-Feb-15

Maintenance Date	Certification Date	Technician Initials	Remarks
02-Feb-15	02-Feb-15	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED
13-Aug-14	13-Aug-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
05-Mar-14	05-Mar-14	HMS (18910)	CERTIFIED

HMS
TW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number

010635

Worksheet Start Date

2/2/2015

Location

Fort Myer

Address

Sherridan Hills apt 15
108 Sheridan Ave., Building 415, Fort Myer, VA 22211

DFS Technician

Heather Stanton

License No.

18910

Laboratory

On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG)

741

Reference Barometer (mm HG)

742

Reference Barometer(RB)Serial #

009113

RB Calibration Due

4/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.294
0.300	0.293	0.284	0.301	Sample 2	0.294
Precision		sample min	sample max	Sample 3	0.294
0		0.294	0.294		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.096
0.100	0.098	0.095	0.101	Sample 2	0.096
Precision		sample min	sample max	Sample 3	0.096
0		0.096	0.096		

Dry gas standard Lot No. (with tank no.)

AG419702-44

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Replaced UPS back-up battery.

Instrument Serial Number

010635

Certification Date

2/2/2015

Calibrated

Certified

Measurement Assurance Check

Instrument Test

Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.242
0.250	0.244	0.236	0.251	Sample 2	0.242
Precision		sample min	sample max	Sample 3	0.242
0		0.242	0.242		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.146	0.141	0.150	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.146
0		0.146	0.146		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0.001		0.018	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Heathie Stark

Date

2/2/15

Issuing Analyst

[Signature]

Date

2/2/15

JPD

JMS
TW



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 02/02/2015
TEST EQUIPMENT NUMBER 010635		

12:03 EST

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 02 Feb 2015 at 15:38

Handwritten initials/signature

Test Results

Instrument Serial Number 010635

Test # 000302 Subject Test
Test Location 1 Department of
Test Date 02 Feb 2015

Test Location 2 Forensic Science
Test Time 11:56
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name HEATHER
Operator's Middle Initial M
License Number 18910
Effective Date 10/01/2014
Expiration Date 10/01/2016

Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Driver's License State
End Date 02 Feb 2015 End Time 12:04

Result Time 12:03

Result Date 02 Feb 2015 Result 0.00

Data Type DIAG
Data Type BLK
Data Type CHK
Data Type BLK
Data Type SUBJ
Data Type BLK
Data Type SUBJ
Data Type BLK

Sample Value Pass
Sample Value 0.000
Sample Value 0.097
Sample Value 0.000
Sample Value 0.000
Sample Value 0.000
Sample Value 0.000
Sample Value 0.000

Sample Time 11:57
Sample Time 11:57
Sample Time 11:58
Sample Time 11:59
Sample Time 12:00
Sample Time 12:01
Sample Time 12:03
Sample Time 12:04

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG419702-44

Standard Expiration Date 07/16/2016

Tank Pressure 1120

Barometric Pressure 741 mmHg

Blow Sample Number 1 Blow Duration 3.29 sec

Blow Volume 1746 cc End-of-Blow Time 12:00

Blow Sample Number 2 Blow Duration 3.47 sec

Blow Volume 1817 cc End-of-Blow Time 12:03

Tamper Evident Stamp c67fa92b

Test Status Code 0

Test Status Success

LMS
TW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 303

Test Date: 02/02/2015 Test Time: 12:06 EST

Dry Gas Target: 0.098

Lot Number: AG419702-44 Exp Date: 07/16/2016

Tank Pressure: 1120 psi Barometric Pressure: 741 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:06
CHK	0.097	12:07
BLK	0.000	12:09
CHK	0.097	12:10
BLK	0.000	12:11
CHK	0.097	12:12

Test Status: *Success*

Calibration CRC: F73C810A

HMS
TLJ

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 304

Test Date: 02/02/2015 Test Time: 12:15 EST

Dry Gas Target: 0.293

Lot Number: AG428003-09 Exp Date: 10/07/2016

Tank Pressure: 129 psi Barometric Pressure: 741 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:15
CHK	0.296	12:16
BLK	0.000	12:18
CHK	0.295	12:19
BLK	0.000	12:21
CHK	0.295	12:22

Test Status: *Success*

Calibration CRC: F73C810A

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 305
Test Date: 02/02/2015 Test Time: 12:33 EST

Technician Initials: HMS

Dry Gas Target: 0.244

Lot Number: 16114250I4-03 Exp Date: 07/05/2016
Tank Pressure: 242 psi Barometric Pressure: 742 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:33
BLK	0.000	12:34
CHK	0.242	12:35
BLK	0.000	12:36
CHK	0.242	12:37
BLK	0.000	12:39
CHK	0.242	12:40
BLK	0.000	12:41

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 306
Test Date: 02/02/2015 Test Time: 12:43 EST

Technician Initials: HMS

Dry Gas Target: 0.146

Lot Number: 16114150I3-01 Exp Date: 07/05/2016
Tank Pressure: 414 psi Barometric Pressure: 742 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:43
BLK	0.000	12:44
CHK	0.146	12:44
BLK	0.000	12:46
CHK	0.146	12:47
BLK	0.000	12:49
CHK	0.146	12:49
BLK	0.000	12:51

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 307
Test Date: 02/02/2015 Test Time: 12:53 EST

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 34413080I2-01 Exp Date: 01/01/2016
Tank Pressure: 340 psi Barometric Pressure: 742 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:53
BLK	0.000	12:54
CHK	0.077	12:55
BLK	0.000	12:56
CHK	0.077	12:57
BLK	0.000	12:58
CHK	0.077	12:59
BLK	0.000	13:00

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010635 Test Number: 308
Test Date: 02/02/2015 Test Time: 13:02 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016
Tank Pressure: 95 psi Barometric Pressure: 741 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:02
BLK	0.000	13:03
CHK	0.019	13:04
BLK	0.000	13:05
CHK	0.018	13:06
BLK	0.000	13:07
CHK	0.018	13:08
BLK	0.000	13:09

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

fms
TW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 309

Test Date: 02/02/2015 Test Time: 13:12 EST

Dry Gas Target: 0.293

Lot Number: AG428003-09 Exp Date: 10/07/2016

Tank Pressure: 125 psi Barometric Pressure: 742 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:12
CHK	0.294	13:13
BLK	0.000	13:15
CHK	0.294	13:16
BLK	0.000	13:18
CHK	0.294	13:19

Test Status: *Success*

Calibration CRC: F73C810A

KMS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010635 Test Number: 310

Test Date: 02/02/2015 Test Time: 13:21 EST

Dry Gas Target: 0.098

Lot Number: AG419702-44 Exp Date: 07/16/2016

Tank Pressure: 1100 psi Barometric Pressure: 742 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:22
CHK	0.096	13:22
BLK	0.000	13:24
CHK	0.096	13:25
BLK	0.000	13:26
CHK	0.096	13:27

Test Status: *Success*

Calibration CRC: F73C810A

HMS
TLW



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 02/02/2015
TEST EQUIPMENT NUMBER 010635		

RESULTS: TIME SAMPLE TAKEN 13:35 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report
Report Generated 02 Feb 2015 at 13:44

TW
HMS
TW

Test Results

Instrument Serial Number 010635

Test # 000311 Subject Test

Test Location 1 Department of
Test Date 02 Feb 2015

Test Location 2 Forensic Science
Test Time 13:29
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

Effective Date 10/01/2014

License Number 18910

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 02 Feb 2015 End Time 13:36

Result Time 13:35

Result Date 02 Feb 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:29

Data Type BLK

Sample Value 0.000

Sample Time 13:30

Data Type CHK

Sample Value 0.096

Sample Time 13:31

Data Type BLK

Sample Value 0.000

Sample Time 13:32

Data Type SUBJ

Sample Value 0.000

Sample Time 13:33

Data Type BLK

Sample Value 0.000

Sample Time 13:34

Data Type SUBJ

Sample Value 0.000

Sample Time 13:35

Data Type BLK

Sample Value 0.000

Sample Time 13:36

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG419702-44

Standard Expiration Date 07/16/2016

Tank Pressure 1095

Barometric Pressure 742 mmHg

Blow Sample Number 1 Blow Duration 3.42 sec

Blow Volume 1738 cc End-of-Blow Time 13:33

Blow Sample Number 2 Blow Duration 3.40 sec

Blow Volume 1627 cc End-of-Blow Time 13:35

Tamper Evident Stamp f04d4129

Test Status Code 0

Test Status Success