



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

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

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010480
CERTIFICATION DATE: January 15, 2014
DATE RECERTIFICATION DUE: July 14, 2014

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 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 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.

Handwritten signature of Michelle M. Billeter

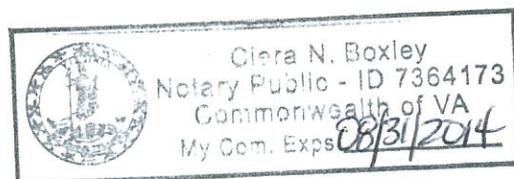
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 27th day of January, 2014 by Michelle M. Billeter

Handwritten signature of Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Handwritten initials 'msh'

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/16/2014

HMS
MMB

Instrument Serial Number: 010480 **As of 16-Jan-14**

Maintenance Date	Certification Date	Technician Initials	Remarks
15-Jan-14	15-Jan-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.
01-Aug-13	01-Aug-13	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
28-Feb-13	28-Feb-13	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD.
05-Sep-12	05-Sep-12	HMS (18910)	CERTIFIED
28-Jun-12	28-Jun-12	TLN (25387)	CERTIFIED.
13-Jun-12	13-Jun-12	TLN (25387)	CALIBRATED BAROMETRIC PRESSURE SENSOR. CALIBRATED AND CERTIFIED.
08-Jun-12	08-Jun-12	HMS (18910)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
15-Mar-12	14-Dec-11	HMS (18910)	REPLACED DRY GAS STANDARD.
14-Dec-11	14-Dec-11	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
24-Oct-11	30-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD.
22-Sep-11	30-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD.
30-Jun-11	30-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
04-Apr-11	01-Feb-11	HMS (18910)	REPLACED DRY GAS STANDARD.
01-Feb-11	01-Feb-11	HMS (18910)	CERTIFIED
04-Jan-11	03-Sep-10	HMS (18910)	REPLACED DRY GAS STANDARD.
12-Oct-10	03-Sep-10	HMS (18910)	REPLACED DRY GAS STANDARD.
03-Sep-10	03-Sep-10	HMS (18910)	CERTIFIED
19-Jul-10	19-Jul-10	HMS (18910)	CALIBRATED BAROMETRIC PRESSURE SENSOR, CALIBRATED AND CERTIFIED.
11-Feb-10	11-Feb-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
16-Nov-09	16-Nov-09	SED (24178)	CALIBRATED AND CERTIFIED.
19-Aug-09	19-Aug-09	HMS (18910)	CERTIFIED.
30-Jul-09	30-Jul-09	RJP (22428)	REPLACED TANK TOP LID. CERTIFIED.
24-Jun-09	24-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
15-Oct-08	15-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HM
mmB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010480** Worksheet Start Date **1/15/2014**
 Location **Stafford County**
 Address **1225 Courthouse Rd., Stafford, VA 22555**
 DFS Technician **Heather Stanton** License No. **18910**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **757** Reference Barometer (mm HG) **756**
 Reference Barometer(RB)Serial # **009113** RB Calibration Due **5/8/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.301
0.300	0.299	0.290	0.307	Sample 2	0.302
Precision		sample min	sample max	Sample 3	0.301
0.001		0.301	0.302		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

Dry gas standard Lot No. (with tank no.) **AG332301-21**

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies
 Mouthpieces **500**
 Certificates of Analysis **500**
 Operator Worksheet
 Other:

Notes:

Replaced printer ribbon.

Instrument Serial Number

010480

Certification Date

1/15/2014

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	0.248
0.250	0.249	0.241	0.256	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.248
0.001		0.248	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	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

Heath W. Stath

Date

1/16/14

Issuing Analyst

Michelle Bellin

Date

1/21/14 1/23/14

msk

MMB

HMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010480 Test Number: 2969
Test Date: 01/15/2014 Test Time: 11:31 EST

Technician Initials: HMS

Dry Gas Target: 0.249

Lot Number: 07713250I4-02 Exp Date: 05/01/2015

Tank Pressure: 865 psi Barometric Pressure: 757 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:32
BLK	0.000	11:32
CHK	0.248	11:33
BLK	0.000	11:35
CHK	0.249	11:36
BLK	0.000	11:37
CHK	0.248	11:38
BLK	0.000	11:40

Success

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

Certification Status: Continued

HMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010480 Test Number: 2970
Test Date: 01/15/2014 Test Time: 11:42 EST

Technician Initials: *HMS*

Dry Gas Target: 0.149

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 232 *psi* Barometric Pressure: 757 *mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:42
BLK	0.000	11:43
CHK	0.149	11:44
BLK	0.000	11:45
CHK	0.149	11:46
BLK	0.000	11:48
CHK	0.149	11:48
BLK	0.000	11:50

Success

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

Certification Status: Continued

HMS
MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010480 Test Number: 2971
Test Date: 01/15/2014 Test Time: 11:51 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 370 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:51
BLK	0.000	11:52
CHK	0.079	11:53
BLK	0.000	11:54
CHK	0.079	11:55
BLK	0.000	11:56
CHK	0.079	11:57
BLK	0.000	11:59

Success

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

Certification Status: Continued

LHO
MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010480 Test Number: 2972
Test Date: 01/15/2014 Test Time: 12:00 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 414 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:00
BLK	0.000	12:01
CHK	0.019	12:02
BLK	0.000	12:03
CHK	0.019	12:04
BLK	0.000	12:05
CHK	0.019	12:06
BLK	0.000	12:07

Success

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

Certification Status: Success

~~the~~
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010480 Test Number: 2973

Test Date: 01/15/2014 Test Time: 12:09 EST

Dry Gas Target: 0.299

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 169 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:10
CHK	0.301	12:11
BLK	0.000	12:13
CHK	0.302	12:14
BLK	0.000	12:15
CHK	0.301	12:16

Test Status: *Success*

Calibration CRC: F08592C7

AMS
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010480 Test Number: 2974

Test Date: 01/15/2014 Test Time: 12:19 EST

Dry Gas Target: 0.100

Lot Number: AG332301-21 Exp Date: 11/19/2015

Tank Pressure: 1115 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:19
CHK	0.100	12:20
BLK	0.000	12:22
CHK	0.100	12:23
BLK	0.000	12:24
CHK	0.100	12:25

Test Status: *Success*

Calibration CRC: F08592C7

hms
mmb



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 10/01/2014	DATE TEST CONDUCTED 01/15/2014
TEST EQUIPMENT NUMBER 010480		

RESULTS: TIME SAMPLE TAKEN 12:32 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 15 Jan 2014 at 15:04

*AMS
MMB*

Test Results

Instrument Serial Number 010480

Test # 002975 **Subject Test**

Test Location 1 Department of
Test Date 15 Jan 2014

Test Location 2 Forensic Science
Test Time 12:26
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

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

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 15 Jan 2014 End Time 12:34

Result Time 12:32

Result Date 15 Jan 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:26

Data Type BLK

Sample Value 0.000

Sample Time 12:27

Data Type CHK

Sample Value 0.100

Sample Time 12:28

Data Type BLK

Sample Value 0.000

Sample Time 12:29

Data Type SUBJ

Sample Value 0.000

Sample Time 12:30

Data Type BLK

Sample Value 0.000

Sample Time 12:31

Data Type SUBJ

Sample Value 0.000

Sample Time 12:32

Data Type BLK

Sample Value 0.000

Sample Time 12:33

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG332301-21

Standard Expiration Date 11/19/2015

Tank Pressure 1120

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1745 cc End-of-Blow Time 12:30

Blow Sample Number 2 Blow Duration 3.48 sec

Blow Volume 1725 cc End-of-Blow Time 12:32

Tamper Evident Stamp 1a3f26c7

Test Status Code 0

Test Status Success