



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: 010533
 CERTIFICATION DATE: February 12, 2014
 DATE RECERTIFICATION DUE: August 11, 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.

Michelle Billeter

Michelle M. Billeter
 Forensic Scientist

CITY OF RICHMOND
 COMMONWEALTH OF VIRGINIA

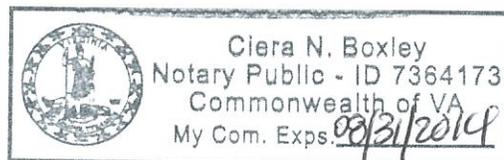
The foregoing was acknowledged before me this 29th day of February, 2014 by Michelle M. Billeter

Ciera N. Boxley

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TLN



mmB

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/14/2014**

Instrument Serial Number: 010533

As of 14-Feb-14

Maintenance Date	Certification Date	Technician Initials	Remarks
12-Feb-14	12-Feb-14	MMB (26417)	CERTIFIED.
02-Jan-14	27-Aug-13	MMB (26417)	REPLACED DRY GAS STANDARD.
27-Aug-13	27-Aug-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
11-Mar-13	11-Mar-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
12-Oct-12	12-Oct-12	HMS (18910)	CERTIFIED
18-Sep-12	18-Sep-12	SED (24178)	CERTIFIED.
05-Apr-12	05-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
18-Oct-11	18-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
24-Jun-11	24-Jun-11	RJP (22428)	CALIBRATED AND CERTIFIED.
24-Jun-11	24-Jun-11	RJP (22428)	CERTIFIED.
26-Apr-11	26-Apr-11	RJP (22428)	CERTIFIED.
17-Nov-10	17-Nov-10	RJP (22428)	CERTIFIED.
06-Aug-10	06-Aug-10	RJP (22428)	REPLACED PRINTER. CALIBRATED AND CERTIFIED.
27-Jul-10	02-Jun-10	RJP (22428)	REPLACED DRY GAS STANDARD.
02-Jun-10	02-Jun-10	RJP (22428)	CERTIFIED
12-May-10	14-Dec-09	NMJ (22392)	REPLACED DRY GAS STANDARD
14-Dec-09	14-Dec-09	RJP (22428)	CERTIFIED
07-Jul-09	07-Jul-09	RJP (22428)	CERTIFIED.
18-May-09	20-Mar-09	RJP (22428)	REPLACED PRINTER.
20-Mar-09	20-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
17-Oct-08	17-Oct-08	RJP (22428)	CERTIFIED.
01-Oct-08	01-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmb

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010533** Worksheet Start Date **2/12/2014**
 Location **Ashland PD**
 Address **601 England St Ashland VA 23005**
 DFS Technician **Michelle Billeter** License No. **26417**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **765** Reference Barometer (mm HG) **766**
 Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.301
0.300	0.302	0.292	0.311	Sample 2	0.301
Precision		sample min	sample max	Sample 3	0.301
0		0.301	0.301		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.101	0.097	0.104	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.101
0.001		0.100	0.101		

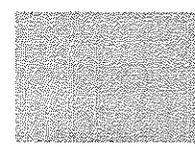
Dry gas standard Lot No. (with tank no.) **AG230501-44**

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies
 Mouthpieces
 Certificates of Analysis
 Operator Worksheet
 Other:



Notes:

Instrument Serial Number

010533

Certification Date

2/12/2014

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	0.250
0.250	0.252	0.244	0.259	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0		0.250	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.151	0.146	0.155	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	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

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

Michelle Billet

Date

2/14/14

Issuing Analyst

Michelle Billet

Date

2/18/14

Intox EC/IR-11: Certification*Department of Forensic Science*

Serial Number: 010533 Test Number: 477
Test Date: 02/12/2014 Test Time: 13:31 EST

Technician Initials: *MMB*Dry Gas Target: *0.252*

Lot Number: *0651225015-02* Exp Date: *04/01/2014*
Tank Pressure: *301 psi* Barometric Pressure: *765 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:32
BLK	0.000	13:32
CHK	0.250	13:33
BLK	0.000	13:35
CHK	0.250	13:35
BLK	0.000	13:37
CHK	0.250	13:38
BLK	0.000	13:39

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010533 Test Number: 478
Test Date: 02/12/2014 Test Time: 13:41 EST

Technician Initials: *MMB*Dry Gas Target: *0.151*Lot Number: *06512150I4-04* Exp Date: *04/01/2014*

Tank Pressure: *698 psi* Barometric Pressure: *764 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:41
BLK	0.000	13:42
CHK	0.149	13:43
BLK	0.000	13:45
CHK	0.149	13:45
BLK	0.000	13:47
CHK	0.149	13:48
BLK	0.000	13:49

Success

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

Certification Status: Continued

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010533 Test Number: 479
Test Date: 02/12/2014 Test Time: 13:51 EST

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 0651208012-01 Exp Date: 04/01/2014

Tank Pressure: 865 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:51
BLK	0.000	13:52
CHK	0.080	13:53
BLK	0.000	13:54
CHK	0.080	13:55
BLK	0.000	13:56
CHK	0.080	13:57
BLK	0.000	13:59

Success

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

Certification Status: Continued

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010533 Test Number: 480
Test Date: 02/12/2014 Test Time: 14:00 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0651202011-04 Exp Date: 04/01/2014

Tank Pressure: 1026 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:00
BLK	0.000	14:01
CHK	0.019	14:02
BLK	0.000	14:03
CHK	0.019	14:04
BLK	0.000	14:05
CHK	0.019	14:06
BLK	0.000	14:07

Success

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

Certification Status: Success

MMB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010533 Test Number: 481

Test Date: 02/12/2014 Test Time: 14:09 EST

Dry Gas Target: 0.302

Lot Number: AG321804-04 Exp Date: 08/06/2015

Tank Pressure: 325 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

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

Test Status: *Success*

Calibration CRC: 6B8F5B56

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010533 Test Number: 482

Test Date: 02/12/2014 Test Time: 14:18 EST

Dry Gas Target: 0.101

Lot Number: AG230501-44 Exp Date: 10/31/2014

Tank Pressure: 526 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:19
CHK	0.100	14:20
BLK	0.000	14:21
CHK	0.100	14:22
BLK	0.000	14:24
CHK	0.101	14:24

Test Status: *Success*

Calibration CRC: 6B8F5B56

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 BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 02/12/2014
TEST EQUIPMENT NUMBER 010533		

RESULTS: TIME SAMPLE TAKEN 14:33 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

mmb



IntoxNet MIS Report

Report Generated 14 Feb 2014 at 13:50

Test Results

Instrument Serial Number 010533

Test # 000483 Subject Test

Test Location 1 Department of
Test Date 12 Feb 2014

Test Location 2 Forensic Science
Test Time 14:27
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial M
License Number 26417

Card Serial Number 126417

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 12 Feb 2014 End Time 14:34

Result Time 14:33

Result Date 12 Feb 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:27

Data Type BLK

Sample Value 0.000

Sample Time 14:28

Data Type CHK

Sample Value 0.100

Sample Time 14:28

Data Type BLK

Sample Value 0.000

Sample Time 14:30

Data Type SUBJ

Sample Value 0.000

Sample Time 14:30

Data Type BLK

Sample Value 0.000

Sample Time 14:31

Data Type SUBJ

Sample Value 0.000

Sample Time 14:33

Data Type BLK

Sample Value 0.000

Sample Time 14:34

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG230501-44

Standard Expiration Date 10/31/2014

Tank Pressure 522

Barometric Pressure 764 mmHg

Blow Sample Number 1 Blow Duration 3.58 sec

Blow Volume 1725 cc End-of-Blow Time 14:30

Blow Sample Number 2 Blow Duration 3.80 sec

Blow Volume 1802 cc End-of-Blow Time 14:33

Tamper Evident Stamp 79ad918d

Test Status Code 0

Test Status Success