



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:	010530
CERTIFICATION DATE:	February 14, 2014
DATE RECERTIFICATION DUE:	August 13, 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

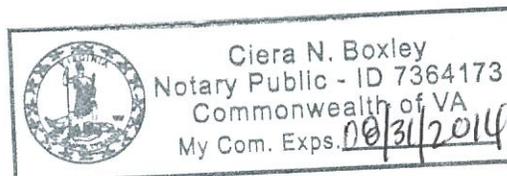
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20th day of February, 2014 by Michelle M. Billeter

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

TBW



MMB

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

Instrument Serial Number: 010530

As of 14-Feb-14

Maintenance Date	Certification Date	Technician Initials	Remarks
14-Feb-14	14-Feb-14	MMB (26417)	CERTIFIED.
06-Jan-14	28-Aug-13	MMB (26417)	REPLACED DRY GAS STANDARD.
28-Aug-13	28-Aug-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
01-May-13	13-Mar-13	MMB (26417)	REPLACED DRY GAS STANDARD.
13-Mar-13	13-Mar-13	HMS (18910)	CERTIFIED
21-Sep-12	21-Sep-12	SED (24178)	CERTIFIED.
27-Mar-12	27-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
21-Oct-11	21-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
27-Apr-11	27-Apr-11	RJP (22428)	CERTIFIED.
16-Nov-10	16-Nov-10	RJP (22428)	CERTIFIED.
03-Jun-10	03-Jun-10	RJP (22428)	CERTIFIED
15-Dec-09	15-Dec-09	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
09-Jul-09	09-Jul-09	RJP (22428)	CERTIFIED.
20-Mar-09	20-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
16-Oct-08	16-Oct-08	DBH (21250)	CERTIFIED.
09-Oct-08	09-Oct-08	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010530** Worksheet Start Date **2/14/2014**
 Location **Chesterfield CO PD-MS**
 Address **20 N. Providence Rd. Chesterfield VA 23235**
 DFS Technician **Michelle Billeter** License No. **26417**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **743** Reference Barometer (mm HG) **745**
 Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.295
0.300	0.293	0.284	0.301	Sample 2	0.295
Precision		sample min	sample max	Sample 3	0.295
0		0.295	0.295		

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

Dry gas standard Lot No. (with tank no.) **AG227501-16**

- Replaced dry gas standard (+O-ring)
- Installed at Location
- Removed to DFS-Central

Supplies
 Mouthpieces
 Certificates of Analysis
 Operator Worksheet
 Other:

50

Notes:

Instrument Serial Number

010530

Certification Date

2/14/2014

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	0.245
0.250	0.244	0.236	0.251	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.244
0.001		0.244	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.147	0.142	0.151	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	0.078
0.080	0.078	0.075	0.081	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

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 Belletta

Date

2/14/14

Issuing Analyst

Michelle Belletta

Date

2/18/14

TLN

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

Serial Number: 010530 Test Number: 1053
Test Date: 02/14/2014 Test Time: 11:34 EST

Technician Initials: *MMB*Dry Gas Target: *0.244*Lot Number: *0651225015-02* Exp Date: *04/01/2014*

Tank Pressure: *296 psi* Barometric Pressure: *743 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:35
BLK	0.000	11:36
CHK	0.245	11:36
BLK	0.000	11:38
CHK	0.245	11:39
BLK	0.000	11:40
CHK	0.244	11:41
BLK	0.000	11:43

Success

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

Certification Status: Continued

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010530 Test Number: 1054
Test Date: 02/14/2014 Test Time: 11:44 EST

Technician Initials: *MMB*

Dry Gas Target: *0.147*

Lot Number: *0651215014-04* Exp Date: *04/01/2014*

Tank Pressure: *678 psi* Barometric Pressure: *743 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:45
BLK	0.000	11:46
CHK	0.146	11:46
BLK	0.000	11:48
CHK	0.146	11:49
BLK	0.000	11:50
CHK	0.146	11:51
BLK	0.000	11:52

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: 010530 Test Number: 1055
Test Date: 02/14/2014 Test Time: 11:54 EST

Technician Initials: *MMB*

Dry Gas Target: *0.078*

Lot Number: *06512080I2-01* Exp Date: *04/01/2014*

Tank Pressure: *855 psi* Barometric Pressure: *743 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:54
BLK	0.000	11:55
CHK	0.078	11:56
BLK	0.000	11:57
CHK	0.078	11:58
BLK	0.000	11:59
CHK	0.078	12:00
BLK	0.000	12:01

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: 010530 Test Number: 1056
Test Date: 02/14/2014 Test Time: 12:03 EST

Technician Initials: *MMB*

Dry Gas Target: *0.020*

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

Tank Pressure: *1022 psi* Barometric Pressure: *743 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:03
BLK	0.000	12:04
CHK	0.019	12:05
BLK	0.000	12:06
CHK	0.019	12:07
BLK	0.000	12:08
CHK	0.019	12:09
BLK	0.000	12:10

Success

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

Certification Status: Success

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

Serial Number: 010530 Test Number: 1057

Test Date: 02/14/2014 Test Time: 12:15 EST

Dry Gas Target: 0.293

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

Tank Pressure: 316 psi Barometric Pressure: 743 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:15
CHK	0.295	12:16
BLK	0.000	12:18
CHK	0.295	12:19
BLK	0.000	12:20
CHK	0.295	12:21

Test Status: *Success*

Calibration CRC: 798C2D9D

MMB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010530 Test Number: 1058

Test Date: 02/14/2014 Test Time: 12:24 EST

Dry Gas Target: 0.098

Lot Number: AG227501-16 Exp Date: 10/01/2014

Tank Pressure: 375 psi Barometric Pressure: 743 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:25
CHK	0.098	12:26
BLK	0.000	12:27
CHK	0.098	12:28
BLK	0.000	12:30
CHK	0.098	12:30

Test Status: *Success*

Calibration CRC: 798C2D9D

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 02/14/2014
TEST EQUIPMENT NUMBER 010530		

RESULTS: TIME SAMPLE TAKEN 12:39 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 13:49

Test Results

Instrument Serial Number 010530

Test # 001059 Subject Test

Test Location 1 Department of
Test Date 14 Feb 2014

Test Location 2 Forensic Science
Test Time 12:33
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 14 Feb 2014 End Time 12:41

Result Time 12:39

Result Date 14 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:33

Data Type BLK

Sample Value 0.000

Sample Time 12:34

Data Type CHK

Sample Value 0.097

Sample Time 12:35

Data Type BLK

Sample Value 0.000

Sample Time 12:36

Data Type SUBJ

Sample Value 0.000

Sample Time 12:37

Data Type BLK

Sample Value 0.000

Sample Time 12:38

Data Type SUBJ

Sample Value 0.000

Sample Time 12:39

Data Type BLK

Sample Value 0.000

Sample Time 12:40

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG227501-16

Standard Expiration Date 10/01/2014

Tank Pressure 365

Barometric Pressure 743 mmHg

Blow Sample Number 1 Blow Duration 3.60 sec

Blow Volume 1723 cc End-of-Blow Time 12:37

Blow Sample Number 2 Blow Duration 3.59 sec

Blow Volume 1712 cc End-of-Blow Time 12:39

Tamper Evident Stamp 601c1753

Test Status Code 0

Test Status Success