



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: 010369  
DATE CERTIFICATION METHOD PERFORMED: April 30, 2015  
DATE RECERTIFICATION DUE: October 27, 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.

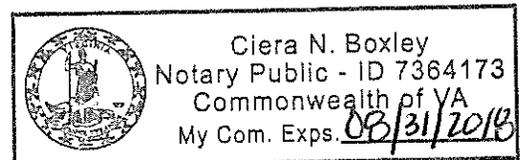
Michelle M. Billeter  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 1<sup>st</sup> day of May, 2015 by Michelle M. Billeter

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



MMB

Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
4/30/2014 To 4/30/2015

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Instrument Serial Number: 010369 As of 01-May-15

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Maintenance Date	Certification Date	Technician Initials	Remarks
30-Apr-15	30-Apr-15	MMB (26417)	CERTIFIED.
19-Nov-14	19-Nov-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
29-Aug-14	11-Jun-14	MMB (26417)	REPLACED UPS BACK-UP BATTERY. REPLACED DRY GAS STANDARD.
11-Jun-14	11-Jun-14	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD.

mmB

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010369      Worksheet Start Date: 4/30/2015

Location: Fort Lee

Address: 1900 Mahone Ave Fort Lee VA 23801

DFS Technician: Michelle Billeter      License No.: 26417

Laboratory       On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 749      Reference Barometer (mm HG): 751

Reference Barometer(RB)Serial #: 009111      RB Calibration Due: 5/19/2015

### Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.296	0.287	0.304	0.298	0.298	0.298
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>			
0		0.298	0.298			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.099	0.096	0.102	0.098	0.098	0.098
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>			
0		0.098	0.098			

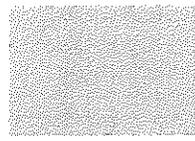
Dry gas standard Lot No. (with tank no.)      AG332301-20

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



Notes:

At 10:00 AM on 5/19/2015, the instrument was calibrated and found to be within tolerance.

Instrument Serial Number

010369

Certification Date

4/30/2015

Calibrated

Certified

Measurement Assurance Check

Instrument Test

Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.246
0.250	0.246	0.238	0.253	<b>Sample 2</b>	0.246
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.245
0.001		0.245	0.246		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.148
0.150	0.148	0.143	0.152	<b>Sample 2</b>	0.148
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.147
0.001		0.147	0.148		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.078
0.080	0.079	0.076	0.082	<b>Sample 2</b>	0.078
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.078
0		0.078	0.078		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.019
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.019
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	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 Bellotti

Date

5/1/15

Issuing Analyst

Michelle Bellotti

Date

5/1/15

TLN

MMB

**Intox EC/IR-11: Certification**

Department of Forensic Science  
Serial Number: 010369      Test Number: 590  
Test Date: 04/30/2015      Test Time: 09:36 EDT

Technician Initials: MMB  
Dry Gas Target: 0.246  
Lot Number: 0981525014-02      Exp Date: 05/05/2017  
Tank Pressure: 968 psi      Barometric Pressure: 749 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:36
BLK	0.000	09:37
CHK	0.246	09:38
BLK	0.000	09:39
CHK	0.246	09:40
BLK	0.000	09:42
CHK	0.245	09:43
BLK	0.000	09:45

**Success**

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

Certification Status: Continued

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

Serial Number: 010369      Test Number: 591  
Test Date: 04/30/2015      Test Time: 09:46 EDT

Technician Initials: *MMB*Dry Gas Target: *0.148*

Lot Number: 1611415013-03      Exp Date: 07/05/2016  
Tank Pressure: 610 psi      Barometric Pressure: 749 mmHg  
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	09:47
BLK	0.000	09:48
CHK	0.148	09:48
BLK	0.000	09:50
CHK	0.148	09:51
BLK	0.000	09:52
CHK	0.147	09:53
BLK	0.000	09:55

**Success**

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

Certification Status: Continued

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

Serial Number: 010369      Test Number: 592  
Test Date: 04/30/2015      Test Time: 09:56 EDT

Technician Initials: *MMB*Dry Gas Target: *0.079*Lot Number: *16114080I2-02*      Exp Date: *07/05/2016*

Tank Pressure: *492 psi*      Barometric Pressure: *749 mmHg*  
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	09:56
BLK	0.000	09:57
CHK	0.078	09:58
BLK	0.000	09:59
CHK	0.078	10:00
BLK	0.000	10:02
CHK	0.078	10:02
BLK	0.000	10:04

**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: 010369      Test Number: 593  
Test Date: 04/30/2015      Test Time: 10:05 EDT

Technician Initials: *MMB*

Dry Gas Target: *0.020*

Lot Number: *1611402011-01*      Exp Date: *07/05/2016*

Tank Pressure: *629 psi*      Barometric Pressure: *749 mmHg*  
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:06
BLK	0.000	10:07
CHK	0.019	10:07
BLK	0.000	10:09
CHK	0.019	10:10
BLK	0.000	10:11
CHK	0.019	10:12
BLK	0.000	10:13

**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: 010369      Test Number: 594

Test Date: 04/30/2015      Test Time: 10:16 EDT

Dry Gas Target: 0.296

Lot Number: AG428003-12      Exp Date: 10/07/2016

Tank Pressure: 51 psi      Barometric Pressure: 749 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:17
CHK	0.298	10:18
BLK	0.000	10:20
CHK	*.***	10:20

Test Status: *Dry gas tank empty*

Calibration CRC: FA87A9B8

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010369      Test Number: 595

Test Date: 04/30/2015      Test Time: 10:23 EDT

Dry Gas Target: 0.296

Lot Number: AG428003-02      Exp Date: 10/07/2016

Tank Pressure: 365 psi      Barometric Pressure: 749 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:24
CHK	0.298	10:25
BLK	0.000	10:26
CHK	0.298	10:27
BLK	0.000	10:29
CHK	0.298	10:30

Test Status: *Success*

Calibration CRC: FA87A9B8

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010369 Test Number: 596

Test Date: 04/30/2015 Test Time: 10:34 EDT

Dry Gas Target: 0.099

Lot Number: AG332301-20 Exp Date: 11/19/2015

Tank Pressure: 252 psi Barometric Pressure: 749 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:35
CHK	0.098	10:35
BLK	0.000	10:37
CHK	0.098	10:38
BLK	0.000	10:39
CHK	0.098	10:40

Test Status: Success

Calibration CRC: FA87A9B8

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 10/01/2016	DATE TEST CONDUCTED 04/30/2015
TEST EQUIPMENT NUMBER 010369		

RESULTS: TIME SAMPLE TAKEN 10:49 EDT

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 30 Apr 2015 at 10:57

mmB

## Test Results

**Instrument Serial Number 010369**

**Test # 000597** Subject Test

Test Location 1 Department of  
Test Date 30 Apr 2015

Test Location 2 Forensic Science  
Test Time 10:42  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name BILLETTER  
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial M

Card Serial Number 126417

License Number 26417

Effective Date 10/01/2014

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 30 Apr 2015 End Time 10:50

Result Time 10:49

Result Date 30 Apr 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:43

Data Type BLK

Sample Value 0.000

Sample Time 10:43

Data Type CHK

Sample Value 0.097

Sample Time 10:44

Data Type BLK

Sample Value 0.000

Sample Time 10:46

Data Type SUBJ

Sample Value 0.000

Sample Time 10:46

Data Type BLK

Sample Value 0.000

Sample Time 10:47

Data Type SUBJ

Sample Value 0.000

Sample Time 10:49

Data Type BLK

Sample Value 0.000

Sample Time 10:50

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG332301-20

Standard Expiration Date 11/19/2015

Tank Pressure 242

Barometric Pressure 749 mmHg

Blow Sample Number 1 Blow Duration 4.07 sec

Blow Volume 1707 cc End-of-Blow Time 10:46

Blow Sample Number 2 Blow Duration 3.98 sec

Blow Volume 1656 cc End-of-Blow Time 10:49

Tamper Evident Stamp 6c6d80b6

Test Status Code 0

Test Status Success