



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: 010830  
DATE CERTIFICATION METHOD PERFORMED: May 28, 2015  
DATE RECERTIFICATION DUE: November 24, 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.

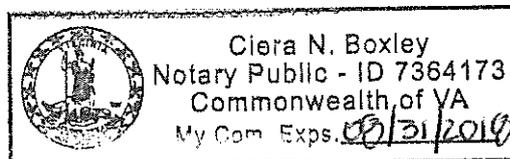
Michelle M. Billeter  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 29<sup>th</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  
5/28/2014 To 5/29/2015**

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**Instrument Serial Number:** 010830 **As of 29-May-15**

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<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
28-May-15	28-May-15	MMB (26417)	REPLACED UPS BACK-UP BATTERY. CERTIFIED.
22-Jan-15	09-Jan-15	TLN (25387)	REPLACED UPS BACK-UP BATTERY.
09-Jan-15	09-Jan-15	TLN (25387)	CERTIFIED.
09-Jul-14	09-Jul-14	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.

mmb

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010830      Worksheet Start Date: 5/28/2015

Location: Langley Air Force Base

Address: 65 Sweeney Blvd Hampton VA 23665

DFS Technician: Michelle Billeter      License No.: 26417

Laboratory       On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 762      Reference Barometer (mm HG): 767

Reference Barometer(RB)Serial #: 009111      RB Calibration Due: 5/18/2016

### Measurement Assurance Check

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.299
0.300	0.301	0.291	0.310	<b>Sample 2</b>	0.299
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.299
0		0.299	0.299		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.099
0.100	0.100	0.097	0.103	<b>Sample 2</b>	0.099
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.)      AG332301-07

- 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

010830

Certification Date

5/28/2015

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>	0.247
0.250	0.251	0.243	0.258	<b>Sample 2</b>	0.247
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.247
0		0.247	0.247		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.149
0.150	0.150	0.145	0.154	<b>Sample 2</b>	0.149
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.149
0		0.149	0.149		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.079
0.080	0.080	0.077	0.083	<b>Sample 2</b>	0.079
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.080
0.001		0.079	0.080		

<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 Billeter*

Date

5/29/15

Issuing Analyst

*Michelle Billeter*

Date

5/29/15

*JPD*

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 <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>BILLETER, MICHELLE, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>26417</b>	LICENSE EXPIRES <b>10/01/2016</b>	DATE TEST CONDUCTED <b>05/28/2015</b>
TEST EQUIPMENT NUMBER <b>010830</b>		

RESULTS: TIME SAMPLE TAKEN 11:29 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
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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 28 May 2015 at 13:03

## Test Results

**Instrument Serial Number 010830**

**Test # 000257**      Subject Test

Test Location 1    Department of  
Test Date    28 May 2015

Test Location 2    Forensic Science  
Test Time    11:22  
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    28 May 2015      End Time    11:31

Result Time    11:29

Result Date    28 May 2015      Result    0.00

Data Type    DIAG

Sample Value    Pass

Sample Time    11:23

Data Type    BLK

Sample Value    0.000

Sample Time    11:24

Data Type    CHK

Sample Value    0.101

Sample Time    11:25

Data Type    BLK

Sample Value    0.000

Sample Time    11:26

Data Type    SUBJ

Sample Value    0.000

Sample Time    11:27

Data Type    BLK

Sample Value    0.000

Sample Time    11:28

Data Type    SUBJ

Sample Value    0.000

Sample Time    11:29

Data Type    BLK

Sample Value    0.000

Sample Time    11:31

Standard Type    Dry Gas Std

Standard Value    0.100

Standard Lot Number    AG332301-07

Standard Expiration Date    11/19/2015

Tank Pressure    213

Barometric Pressure    762 mmHg

Blow Sample Number    1      Blow Duration    3.69 sec

Blow Volume    1806 cc      End-of-Blow Time    11:27

Blow Sample Number    2      Blow Duration    3.48 sec

Blow Volume    1749 cc      End-of-Blow Time    11:29

Tamper Evident Stamp    29e47d97

Test Status Code    0

Test Status    Success

MMB

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

*Department of Forensic Science*

Serial Number: 010830      Test Number: 258

Test Date: 05/28/2015      Test Time: 11:38 EDT

Dry Gas Target: 0.100

Lot Number: AG332301-07      Exp Date: 11/19/2015

Tank Pressure: 208 psi      Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:39
CHK	0.101	11:40
BLK	0.000	11:42
CHK	0.101	11:43
BLK	0.000	11:44
CHK	0.101	11:45

Test Status: *Success*

Calibration CRC: DC53A73D

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

Serial Number: 010830      Test Number: 259

Test Date: 05/28/2015      Test Time: 11:47 EDT

Dry Gas Target: 0.301

Lot Number: AG506501-06      Exp Date: 03/06/2017

Tank Pressure: 463 psi      Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:48
CHK	0.302	11:49
BLK	0.000	11:50
CHK	0.301	11:51
BLK	0.000	11:53
CHK	0.301	11:54

Test Status: *Success*

Calibration CRC: DC53A73D

MMB

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

*Department of Forensic Science*

Serial Number: 010830      Test Number: 260  
Test Date: 05/28/2015      Test Time: 11:56 EDT

Technician Initials: *MMB*

Dry Gas Target: *0.251*

Lot Number: *0981525014-02*      Exp Date: *05/05/2017*

Tank Pressure: *825 psi*      Barometric Pressure: *762 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:56
BLK	0.000	11:57
CHK	0.247	11:58
BLK	0.000	11:59
CHK	0.247	12:00
BLK	0.000	12:02
CHK	0.247	12:03
BLK	0.000	12:04

**Success**

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

Certification Status: Continued

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

*Department of Forensic Science*

Serial Number: 010830      Test Number: 261  
Test Date: 05/28/2015      Test Time: 12:06 EDT

Technician Initials: *MMB*

Dry Gas Target: *0.150*

Lot Number: *1611415013-03*      Exp Date: *07/05/2016*

Tank Pressure: *492 psi*      Barometric Pressure: *762 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:06
BLK	0.000	12:07
CHK	0.149	12:08
BLK	0.000	12:09
CHK	0.149	12:10
BLK	0.000	12:12
CHK	0.149	12:13
BLK	0.000	12:14

**Success**

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

Certification Status: Continued

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

Serial Number: 010830      Test Number: 262  
Test Date: 05/28/2015      Test Time: 12:15 EDT

Technician Initials: *MMB*Dry Gas Target: *0.080*Lot Number: *1611408012-02*      Exp Date: *07/05/2016*Tank Pressure: *384 psi*      Barometric Pressure: *762 mmHg*System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:16
BLK	0.000	12:17
CHK	0.079	12:17
BLK	0.000	12:19
CHK	0.079	12:20
BLK	0.000	12:21
CHK	0.080	12:22
BLK	0.000	12:23

**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: 010830      Test Number: 263  
Test Date: 05/28/2015      Test Time: 12:24 EDT

Technician Initials: *MMB*

Dry Gas Target: *0.020*

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

Tank Pressure: *507 psi*      Barometric Pressure: *762 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:25
BLK	0.000	12:26
CHK	0.019	12:27
BLK	0.000	12:28
CHK	0.019	12:29
BLK	0.000	12:30
CHK	0.019	12:31
BLK	0.000	12:32

**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: 010830      Test Number: 264

Test Date: 05/28/2015      Test Time: 12:34 EDT

Dry Gas Target: 0.301

Lot Number: AG506501-06      Exp Date: 03/06/2017

Tank Pressure: 453 psi      Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:35
CHK	0.299	12:36
BLK	0.000	12:38
CHK	0.299	12:39
BLK	0.000	12:40
CHK	0.299	12:41

Test Status: *Success*

Calibration CRC: DC53A73D

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

Serial Number: 010830      Test Number: 265

Test Date: 05/28/2015      Test Time: 12:44 EDT

Dry Gas Target: 0.100

Lot Number: AG332301-07      Exp Date: 11/19/2015

Tank Pressure: 203 psi      Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:45
CHK	0.099	12:46
BLK	0.000	12:47
CHK	0.099	12:48
BLK	0.000	12:49
CHK	0.099	12:50

Test Status: *Success*

Calibration CRC: DC53A73D

Mms



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 <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>BILLETER, MICHELLE, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>26417</b>	LICENSE EXPIRES <b>10/01/2016</b>	DATE TEST CONDUCTED <b>05/28/2015</b>
TEST EQUIPMENT NUMBER <b>010830</b>		

RESULTS: TIME SAMPLE TAKEN 12:58 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
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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 28 May 2015 at 13:03

## Test Results

**Instrument Serial Number 010830**

**Test # 000266**      Subject Test

Test Location 1    Department of  
Test Date    28 May 2015

Test Location 2    Forensic Science  
Test Time    12:51  
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    N

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    28 May 2015      End Time    13:00

Result Time    12:58

Result Date    28 May 2015      Result    0.00

Data Type    DIAG

Sample Value    Pass

Sample Time    12:52

Data Type    BLK

Sample Value    0.000

Sample Time    12:53

Data Type    CHK

Sample Value    0.099

Sample Time    12:54

Data Type    BLK

Sample Value    0.000

Sample Time    12:55

Data Type    SUBJ

Sample Value    0.000

Sample Time    12:56

Data Type    BLK

Sample Value    0.000

Sample Time    12:57

Data Type    SUBJ

Sample Value    0.000

Sample Time    12:58

Data Type    BLK

Sample Value    0.000

Sample Time    12:59

Standard Type    Dry Gas Std

Standard Value    0.100

Standard Lot Number    AG332301-07

Standard Expiration Date    11/19/2015

Tank Pressure    193

Barometric Pressure    762 mmHg

Blow Sample Number    1      Blow Duration    3.48 sec

Blow Volume    1819 cc      End-of-Blow Time    12:56

Blow Sample Number    2      Blow Duration    3.75 sec

Blow Volume    1810 cc      End-of-Blow Time    12:58

Tamper Evident Stamp    386afb44

Test Status Code    0

Test Status    Success