



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: 010627
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

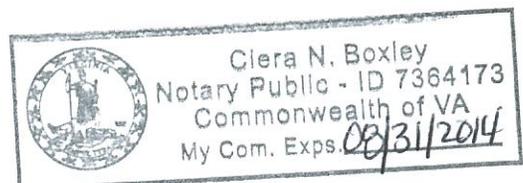
Michelle M. Billeter
Forensic Scientist

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 'msk'

DBH  
mmB

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 1/15/2014**

**Instrument Serial Number: 010627**

**As of 15-Jan-14**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
15-Jan-14	15-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
02-Aug-13	02-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
12-Feb-13	12-Feb-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
28-Aug-12	28-Aug-12	TLN (25387)	CERTIFIED
14-Mar-12	14-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
19-Sep-11	19-Sep-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Mar-11	29-Mar-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Oct-10	19-Oct-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
09-Aug-10	09-Aug-10	DBH (21250)	CALIBRATED AND CERTIFIED.
07-May-10	07-May-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
02-Dec-09	13-Nov-09	DBH (21250)	REPLACED RIBBON AND PAPER OUT SWITCH IN PRINTER
13-Nov-09	13-Nov-09	DBH (21250)	CALIBRATED AND CERTIFIED.
02-Jun-09	02-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
06-Jan-09	06-Jan-09	DBH (21250)	CERTIFIED.
20-Nov-08	20-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
MMB

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010627** Worksheet Start Date **1/15/2014**  
Location **Westmoreland CO SO**  
Address **99 Court Sq Montross VA 22520**  
DFS Technician **Donald Hall** License No. **21250**

Laboratory  On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **755** Reference Barometer (mm HG) **756**  
Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

### Measurement Assurance Check

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.302
0.300	0.298	0.289	0.306	<b>Sample 2</b>	0.302
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.302
0		0.302	0.302		

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

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	100
Certificates of Analysis	100
Operator Worksheet	100
Other:	

Notes:

Instrument Serial Number

010627

Certification Date

1/15/2014

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>	0.248
0.250	0.248	0.240	0.255	<b>Sample 2</b>	0.247
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.247
0.001		0.247	0.248		

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

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

*Donald B Hall*

Date

*1/15/14*

Issuing Analyst

*Michelle Ralleber*

Date

*1/21/14 1/23/14*

*MRK*

*MMB*

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

DBH  
mmB

*Department of Forensic Science*

Serial Number: 010627      Test Number: 550  
Test Date: 01/15/2014      Test Time: 11:08 EST

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 29612250I2-09      Exp Date: 11/01/2014  
Tank Pressure: 600 psi      Barometric Pressure: 755 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:08
BLK	0.000	11:09
CHK	0.248	11:10
BLK	0.000	11:12
CHK	0.247	11:13
BLK	0.000	11:14
CHK	0.247	11:15
BLK	0.000	11:17

**Success**

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

Certification Status: Continued

DBH  
mmB

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

*Department of Forensic Science*

Serial Number: 010627      Test Number: 551  
Test Date: 01/15/2014      Test Time: 11:20 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 29512150I2-03      Exp Date: 11/01/2014  
Tank Pressure: 183 psi      Barometric Pressure: 755 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:20
BLK	0.000	11:21
CHK	0.150	11:22
BLK	0.000	11:23
CHK	0.150	11:24
BLK	0.000	11:26
CHK	0.150	11:27
BLK	0.000	11:28

**Success**

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

Certification Status: Continued

DBH  
MMB

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

*Department of Forensic Science*  
Serial Number: 010627      Test Number: 552  
Test Date: 01/15/2014      Test Time: 11:31 EST

Technician Initials: DBH  
Dry Gas Target: 0.079  
Lot Number: 0771308012-01      Exp Date: 05/01/2015  
Tank Pressure: 767 psi      Barometric Pressure: 754 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:31
BLK	0.000	11:32
CHK	0.080	11:33
BLK	0.000	11:34
CHK	0.080	11:35
BLK	0.000	11:37
CHK	0.080	11:37
BLK	0.000	11:39

**Success**

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

Certification Status: Continued

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

DBH  
MMB

*Department of Forensic Science*

Serial Number: 010627      Test Number: 553  
Test Date: 01/15/2014      Test Time: 11:41 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02      Exp Date: 05/01/2015

Tank Pressure: 688 psi      Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:42
BLK	0.000	11:43
CHK	0.019	11:43
BLK	0.000	11:45
CHK	0.019	11:46
BLK	0.000	11:47
CHK	0.019	11:48
BLK	0.000	11:49

**Success**

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

Certification Status: Success

DBH  
mmB

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

*Department of Forensic Science*

Serial Number: 010627      Test Number: 554

Test Date: 01/15/2014      Test Time: 11:52 EST

Dry Gas Target: 0.298

Lot Number: AG322702-07      Exp Date: 08/15/2015

Tank Pressure: 174 psi      Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:53
CHK	0.302	11:53
BLK	0.000	11:55
CHK	0.302	11:56
BLK	0.000	11:58
CHK	0.302	11:59

Test Status: *Success*

Calibration CRC: 3D7490EF

DBH  
mmB

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

*Department of Forensic Science*

Serial Number: 010627      Test Number: 555

Test Date: 01/15/2014      Test Time: 12:02 EST

Dry Gas Target: 0.099

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

Tank Pressure: 1120 psi      Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:03
CHK	0.100	12:04
BLK	0.000	12:06
CHK	0.100	12:06
BLK	0.000	12:08
CHK	0.100	12:09

Test Status: *Success*

Calibration CRC: 3D7490EF

DBH  
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>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>01/15/2014</b>
TEST EQUIPMENT NUMBER <b>010627</b>		

RESULTS: TIME SAMPLE TAKEN **12:19 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 16:32

DBH  
mmB

Test Results

**Instrument Serial Number 010627**

**Test # 000556**      Subject Test

Test Location 1    Department of  
Test Date    15 Jan 2014

Test Location 2    Forensic Science  
Test Time    12:12  
Remote/Local    Local

Test Location 3  
System Check    Passed

Operator's Last Name    HALL  
Agency    DFS Central Lab

Operator's First Name    DONALD

Operator's Middle Initial    B

Card Serial Number    121250

License Number    21250

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    12:20

Result Time    12:19

Result Date    15 Jan 2014      Result    0.00

Data Type    DIAG

Sample Value    Pass

Sample Time    12:12

Data Type    BLK

Sample Value    0.000

Sample Time    12:13

Data Type    CHK

Sample Value    0.100

Sample Time    12:14

Data Type    BLK

Sample Value    0.000

Sample Time    12:15

Data Type    SUBJ

Sample Value    0.000

Sample Time    12:16

Data Type    BLK

Sample Value    0.000

Sample Time    12:17

Data Type    SUBJ

Sample Value    0.000

Sample Time    12:19

Data Type    BLK

Sample Value    0.000

Sample Time    12:20

Standard Type    Dry Gas Std

Standard Value    0.099

Standard Lot Number    AG332301-20

Standard Expiration Date    11/19/2015

Tank Pressure    1120

Barometric Pressure    754 mmHg

Blow Sample Number    1      Blow Duration    3.46 sec

Blow Volume    1974 cc      End-of-Blow Time    12:16

Blow Sample Number    2      Blow Duration    3.51 sec

Blow Volume    2000 cc      End-of-Blow Time    12:19

Tamper Evident Stamp    d13ee8f7

Test Status Code    0

Test Status    Success