



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: 010611
CERTIFICATION DATE: January 27, 2014
DATE RECERTIFICATION DUE: July 26, 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.

[Signature]
Timmy L. Neece, Jr.
Forensic Scientist

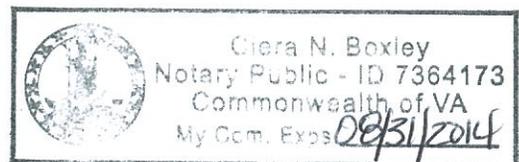
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 6th day of February, 2014 by Timmy L. Neece, Jr.

[Signature: Ciera N. Boxley]
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

msk



DBH  
TLN

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 1/28/2014**

**Instrument Serial Number: 010611**

**As of 28-Jan-14**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
27-Jan-14	27-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
06-Aug-13	06-Aug-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
01-Mar-13	01-Mar-13	HMS (18910)	CERTIFIED
07-Feb-13	07-Feb-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
06-Sep-12	06-Sep-12	DBH (21250)	CERTIFIED.
04-Sep-12	04-Sep-12	DBH (21250)	PERFORMED MAINTENANCE ON AND TESTED REGULATOR, CERTIFIED.
08-Mar-12	08-Mar-12	DBH (21250)	CERTIFIED.
16-Nov-11	16-Nov-11	DBH (21250)	CALIBRATED AND CERTIFIED.
10-Nov-09	10-Nov-09	RJP (22428)	CERTIFIED
03-Jun-09	03-Jun-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
06-Jan-09	06-Jan-09	RJP (22428)	CERTIFIED.
26-Nov-08	26-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
TLN

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010611** Worksheet Start Date **1/27/2014**  
 Location **Hampton Jail**  
 Address **236 N King St Hampton VA 23669**  
 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) **757**

Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

### Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.298	0.289	0.306	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	0.099	0.099
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>			
0.001		0.098	0.099			

Dry gas standard Lot No. (with tank no.) **AG332301-19**

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

Supplies

Mouthpieces	150
Certificates of Analysis	100
Operator Worksheet	150
Other:	

Notes:

Instrument Serial Number

010611

Certification Date

1/27/2014

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>	0.244
0.250	0.248	0.240	0.255	<b>Sample 2</b>	0.244
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.244
0		0.244	0.244		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.148
0.150	0.149	0.144	0.153	<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>	0.079
0.080	0.079	0.076	0.082	<b>Sample 2</b>	0.079
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.079
0		0.079	0.079		

<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

*1/28/14*

Issuing Analyst

*Tim*

Date

*1/31/14*

*msk*

DBH  
TLN

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

*Department of Forensic Science*  
Serial Number: 010611      Test Number: 969  
Test Date: 01/27/2014      Test Time: 11:42 EST

Technician Initials: DBH  
Dry Gas Target: 0.248  
Lot Number: 29612250I2-09      Exp Date: 11/01/2014  
Tank Pressure: 561 psi      Barometric Pressure: 755 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:43
BLK	0.000	11:43
CHK	0.244	11:44
BLK	0.000	11:46
CHK	0.244	11:47
BLK	0.000	11:48
CHK	0.244	11:49
BLK	0.000	11:51

**Success**

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

Certification Status: Continued

DDP  
Tbr

### Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010611      Test Number: 970  
Test Date: 01/27/2014      Test Time: 11:54 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 29512150I2-03      Exp Date: 11/01/2014

Tank Pressure: 159 psi      Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:54
BLK	0.000	11:55
CHK	0.148	11:56
BLK	0.000	11:57
CHK	0.148	11:58
BLK	0.000	12:00
CHK	0.147	12:01
BLK	0.000	12:02

#### Success

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

Certification Status: Continued

DBH  
TLW

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

Department of Forensic Science  
Serial Number: 010611      Test Number: 971  
Test Date: 01/27/2014      Test Time: 12:05 EST

Technician Initials: DBH  
Dry Gas Target: 0.079  
Lot Number: 0771308012-01      Exp Date: 05/01/2015  
Tank Pressure: 718 psi      Barometric Pressure: 754 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:06
BLK	0.000	12:06
CHK	0.079	12:07
BLK	0.000	12:09
CHK	0.079	12:09
BLK	0.000	12:11
CHK	0.079	12:12
BLK	0.000	12:13

**Success**

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

Certification Status: Continued

D 61  
TLW

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

*Department of Forensic Science*  
Serial Number: 010611      Test Number: 972  
Test Date: 01/27/2014      Test Time: 12:15 EST

Technician Initials: DBH  
Dry Gas Target: 0.020  
Lot Number: 0771302011-02      Exp Date: 05/01/2015  
Tank Pressure: 644 psi      Barometric Pressure: 754 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:16
BLK	0.000	12:17
CHK	0.019	12:17
BLK	0.000	12:19
CHK	0.019	12:19
BLK	0.000	12:21
CHK	0.019	12:21
BLK	0.000	12:23

**Success**

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

Certification Status: Success

RB.  
TLW

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

*Department of Forensic Science*

Serial Number: 010611      Test Number: 973

Test Date: 01/27/2014      Test Time: 12:26 EST

Dry Gas Target: 0.298

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

Tank Pressure: 144 psi      Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:27
CHK	0.298	12:28
BLK	0.000	12:30
CHK	0.298	12:31
BLK	0.000	12:33
CHK	0.298	12:34

Test Status: *Success*

Calibration CRC: 6D6C7C75

DBT  
TLV

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

*Department of Forensic Science*  
Serial Number: 010611      Test Number: 974  
Test Date: 01/27/2014      Test Time: 12:38 EST  
Dry Gas Target: 0.099  
Lot Number: AG332301-19      Exp Date: 11/19/2015  
Tank Pressure: 1120 psi      Barometric Pressure: 754 mmHg  
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:39
CHK	0.098	12:39
BLK	0.000	12:41
CHK	0.099	12:42
BLK	0.000	12:43
CHK	0.099	12:44

Test Status: *Success*

Calibration CRC: 6D6C7C75

DBH  
Tlw



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>
---	-----------------------------

**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>01/27/2014</b>
TEST EQUIPMENT NUMBER <b>010611</b>		

RESULTS: TIME SAMPLE TAKEN 12:54 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 27 Jan 2014 at 17:50

DBH  
TLN

Test Results

**Instrument Serial Number 010611**

**Test # 000975 Subject Test**

Test Location 1 Department of  
Test Date 27 Jan 2014

Test Location 2 Forensic Science  
Test Time 12:48  
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  
License Number 21250

Card Serial Number 121250

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 27 Jan 2014 End Time 12:55

Result Time 12:54

Result Date 27 Jan 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:48

Data Type BLK

Sample Value 0.000

Sample Time 12:49

Data Type CHK

Sample Value 0.098

Sample Time 12:50

Data Type BLK

Sample Value 0.000

Sample Time 12:51

Data Type SUBJ

Sample Value 0.000

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type SUBJ

Sample Value 0.000

Sample Time 12:54

Data Type BLK

Sample Value 0.000

Sample Time 12:55

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG332301-19

Standard Expiration Date 11/19/2015

Tank Pressure 1120

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.35 sec

Blow Volume 1777 cc End-of-Blow Time 12:52

Blow Sample Number 2 Blow Duration 3.94 sec

Blow Volume 2136 cc End-of-Blow Time 12:54

Tamper Evident Stamp 6ca7ba68

Test Status Code 0

Test Status Success