



# 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: 010663

CERTIFICATION DATE: September 4, 2014

DATE RECERTIFICATION DUE: March 3, 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 ± 0.007 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.

Timmy L. Neece, Jr.  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 8th day of September, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018 *mmms*

	Ciera N. Boxley
	Notary Public - ID 7364173
	Commonwealth of VA
My Com. Exps. <u>8/31/2018</u>	

Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
9/4/2013 To 9/4/2014

HMS  
TLW

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Instrument Serial Number: 010663

As of 05-Sep-14

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Maintenance Date	Certification Date	Technician Initials	Remarks
04-Sep-14	04-Sep-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
20-Mar-14	20-Mar-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
01-Oct-13	01-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.

AMS  
TLW

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010663** Worksheet Start Date **9/4/2014**  
 Location **Fort Story**  
 Address **700 Leyte Rd., Fort Story, VA 23459**  
 DFS Technician **Heather Stanton** License No. **18910**

Laboratory  On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **763** Reference Barometer (mm HG) **766**  
 Reference Barometer(RB)Serial # **009113** RB Calibration Due **4/28/2015**

### Measurement Assurance Check

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.303
0.300	0.301	0.291	0.310	<b>Sample 2</b>	0.303
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.302
0.001		0.302	0.303		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.100
0.100	0.100	0.097	0.103	<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		

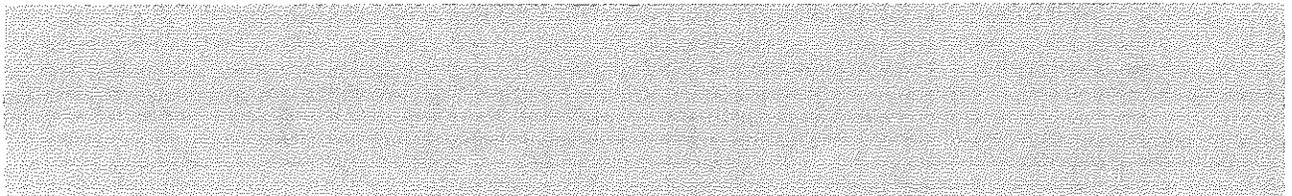
Dry gas standard Lot No. (with tank no.) **AG316301-28**

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

- Supplies
- Mouthpieces
- Certificates of Analysis
- Operator Worksheet
- Other:



Notes:



Instrument Serial Number

010663

Certification Date

9/4/2014

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>	0.254
0.250	0.251	0.243	0.258	<b>Sample 2</b>	0.253
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.253
0.001		0.253	0.254		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.152
0.150	0.151	0.146	0.155	<b>Sample 2</b>	0.152
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.152
0		0.152	0.152		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.081
0.080	0.080	0.077	0.083	<b>Sample 2</b>	0.081
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.081
0		0.081	0.081		

<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

*Heath M. Starks*

Date

9/5/14

Issuing Analyst

*F. J. J.*

Date

9/5/14

*AMB*

HMS  
TLN

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

*Department of Forensic Science*

Serial Number: 010663      Test Number: 175

Test Date: 09/04/2014      Test Time: 10:52 EDT

Technician Initials: HMS

Dry Gas Target: 0.251

Lot Number: 1611425014-03      Exp Date: 07/05/2016

Tank Pressure: 791 psi      Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:53
BLK	0.000	10:54
CHK	0.254	10:54
BLK	0.000	10:56
CHK	0.253	10:56
BLK	0.000	10:58
CHK	0.253	10:58
BLK	0.000	11:00

**Success**

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

Certification Status: Continued

LMS  
TLW

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

*Department of Forensic Science*

Serial Number: 010663      Test Number: 176

Test Date: 09/04/2014      Test Time: 11:02 EDT

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 0771315013-01      Exp Date: 05/01/2015

Tank Pressure: 66 psi      Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:02
BLK	0.000	11:03
CHK	0.152	11:04
BLK	0.000	11:05
CHK	0.152	11:06
BLK	0.000	11:07
CHK	0.152	11:08
BLK	0.000	11:09

**Success**

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

Certification Status: Continued

*HMS*  
*TW*

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

*Department of Forensic Science*

Serial Number: 010663      Test Number: 177

Test Date: 09/04/2014      Test Time: 11:10 EDT

Technician Initials: *HMS*

Dry Gas Target: *0.080*

Lot Number: 3441308012-01      Exp Date: 01/01/2016

Tank Pressure: 924 psi      Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:11
BLK	0.000	11:12
CHK	0.081	11:12
BLK	0.000	11:14
CHK	0.081	11:14
BLK	0.000	11:15
CHK	0.081	11:16
BLK	0.000	11:17

**Success.**

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

Certification Status: Continued

AMS  
TLW

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

*Department of Forensic Science*

Serial Number: 010663      Test Number: 178

Test Date: 09/04/2014      Test Time: 11:19 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02      Exp Date: 01/01/2016

Tank Pressure: 531 psi      Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:19
BLK	0.000	11:20
CHK	0.019	11:21
BLK	0.000	11:22
CHK	0.019	11:23
BLK	0.000	11:24
CHK	0.019	11:25
BLK	0.000	11:26

**Success**

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

Certification Status: Success

LMS  
TLW

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

*Department of Forensic Science*

Serial Number: 010663      Test Number: 179

Test Date: 09/04/2014      Test Time: 11:28 EDT

Dry Gas Target: 0.301

Lot Number: AG421201-01      Exp Date: 07/31/2016

Tank Pressure: 232 psi      Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:29
CHK	0.303	11:29
BLK	0.000	11:31
CHK	0.303	11:32
BLK	0.000	11:33
CHK	0.302	11:34

Test Status: *Success*

Calibration CRC: 2B642DDA

Handwritten initials and a mark, possibly "HIS" and "T/W".

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

*Department of Forensic Science*

Serial Number: 010663      Test Number: 180

Test Date: 09/04/2014      Test Time: 11:37 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-28      Exp Date: 06/12/2015

Tank Pressure: 232 psi      Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:38
CHK	0.100	11:39
BLK	0.000	11:40
CHK	0.100	11:41
BLK	0.000	11:42
CHK	0.100	11:43

Test Status: *Success*

Calibration CRC: 2B642DDA

HHS  
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>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/04/2014</b>
TEST EQUIPMENT NUMBER <b>010663</b>		

RESULTS: TIME SAMPLE TAKEN 11:51 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 05 Sep 2014 at 08:49

*Handwritten initials/signature*

## Test Results

**Instrument Serial Number 010663**

**Test # 000181**      **Subject Test**

Test Location 1    Department of      Test Location 2    Forensic Science      Test Location 3

Test Date    04 Sep 2014      Test Time    11:45      System Check    Passed

Remote/Local    Local

Operator's Last Name    STANTON      Operator's First Name    HEATHER      Operator's Middle Initial    M

Agency    DFS Central Lab      License Number    18910

Card Serial Number    118910      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    04 Sep 2014      End Time    11:52      Result Time    11:51      Result Date    04 Sep 2014      Result    0.00

Data Type	DIAG	Sample Value	Pass	Sample Time	11:45
Data Type	BLK	Sample Value	0.000	Sample Time	11:46
Data Type	CHK	Sample Value	0.100	Sample Time	11:47
Data Type	BLK	Sample Value	0.000	Sample Time	11:48
Data Type	SUBJ	Sample Value	0.000	Sample Time	11:49
Data Type	BLK	Sample Value	0.000	Sample Time	11:50
Data Type	SUBJ	Sample Value	0.000	Sample Time	11:51
Data Type	BLK	Sample Value	0.000	Sample Time	11:52

Standard Type    Dry Gas Std      Standard Value    0.100

Standard Lot Number    AG316301-28      Standard Expiration Date    06/12/2015

Tank Pressure    223      Barometric Pressure    763 mmHg

Blow Sample Number    1      Blow Duration    3.50 sec      Blow Volume    1714 cc      End-of-Blow Time    11:49

Blow Sample Number    2      Blow Duration    3.59 sec      Blow Volume    1701 cc      End-of-Blow Time    11:51

Tamper Evident Stamp    138b0522      Test Status Code    0

Test Status    Success