



# 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:	010654
DATE CERTIFICATION METHOD PERFORMED:	June 3, 2015
DATE RECERTIFICATION DUE:	November 30, 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:

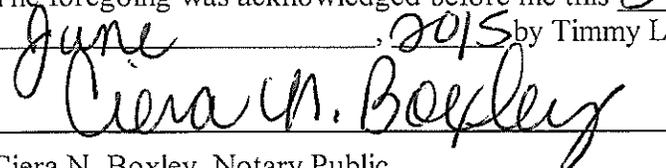
0.020 ± 0.004 g/210 L	0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.008 g/210 L

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.

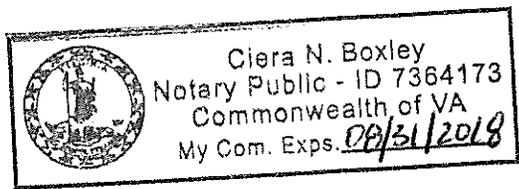
  
 \_\_\_\_\_  
 Timmy L. Neece, Jr.  
 Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 5<sup>th</sup> day of June, 2015 by Timmy L. Neece, Jr.

  
 \_\_\_\_\_  
 Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
6/3/2014 To 6/3/2015

DBH  
Th

---

Instrument Serial Number: 010654 As of 03-Jun-15

---

Maintenance Date	Certification Date	Technician Initials	Remarks
03-Jun-15	03-Jun-15	DBH (21250)	CERTIFIED.
07-Jan-15	07-Jan-15	SED (24178)	REPLACED UPS BACK-UP BATTERY. CERTIFIED. REPLACED DRY GAS STANDARD.
23-Jul-14	23-Jul-14	SED (24178)	CERTIFIED.

DBH  
TW

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010654 Worksheet Start Date 6/3/2015  
 Location Dahlgren  
 Address 17497 Dahlgren Rd Building 237 Dahlgren VA 22448  
 DFS Technician Donald Hall License No. 21250

Laboratory  On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) 764 Reference Barometer (mm HG) 765  
 Reference Barometer(RB)Serial # 009109 RB Calibration Due 7/28/2015

### Measurement Assurance Check

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.302
0.300	0.302	0.292	0.311	<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	0.101	0.097	0.104	<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.) AG407801-10

- 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

010654

Certification Date

6/3/2015

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

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.150
0.150	0.151	0.146	0.155	<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	0.080	0.077	0.083	<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

*6/3/15*

Issuing Analyst

*[Signature]*

Date

*6/4/15*

*JPD*

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  INSTRUMENT, TEST,	NAME OF COURT  DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2016	DATE TEST CONDUCTED  06/03/2015
TEST EQUIPMENT NUMBER  010654		

RESULTS: TIME SAMPLE TAKEN 14:06 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

DBH  
TLN

INTOX EC/IR-11: ACCURACY Check

Department of Forensic Science  
Serial Number: 010654      Test Number: 246  
Test Date: 06/03/2015      Test Time: 14:09 EDT  
Dry Gas Target: 0.101  
Lot Number: AG407801-10      Exp Date: 03/19/2016  
Tank Pressure: 316 PSI      Barometric Pressure: 104 mmHg  
System Check: Passed

Test	g/210L	Time
BLK	0.000	14:10
CHK	0.101	14:11
BLK	0.000	14:13
CHK	0.101	14:13
BLK	0.000	14:15
CHK	0.101	14:15

Test Status: Success

Calibration CRC: 76AE544A

DBH  
TLW

# Intox EC/1R-11: Accuracy Check

*Department of Forensic Science*

Serial Number: 010654      Test Number: 247

Test Date: 06/03/2015      Test Time: 14:18 EDT

Dry Gas Target: 0.302

Lot Number: AG506501-12      Exp Date: 03/06/2017

Tank Pressure: 433 psi      Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:19
CHK	0.304	14:19
BLK	0.000	14:21
CHK	0.304	14:22
BLK	0.000	14:24
CHK	0.303	14:25

Test Status: *Success*

Calibration CRC: 76AE544A

DBH  
Tlw

**Intox EC/1R-11: Certification**

*Department of Forensic Science*

Serial Number: 010654      Test Number: 248  
Test Date: 06/03/2015      Test Time: 14:29 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 1611425014-01      Exp Date: 07/05/2016

Tank Pressure: 325 psi      Barometric Pressure: 764 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:29
BLK	0.000	14:30
CHK	0.250	14:31
BLK	0.000	14:32
CHK	0.250	14:33
BLK	0.000	14:35
CHK	0.250	14:36
BLK	0.000	14:37

**Success**

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

Certification Status: Continued

DBH  
+W

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

*Department of Forensic Science*

Serial Number: 010654      Test Number: 249

Test Date: 06/03/2015      Test Time: 14:40 EDT

Technician Initials: DBH

Dry Gas Target: 0.151

Lot Number: 1611415013-04      Exp Date: 07/05/2016

Tank Pressure: 747 psi      Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:40
BLK	0.000	14:41
CHK	0.150	14:42
BLK	0.000	14:43
CHK	0.150	14:44
BLK	0.000	14:45
CHK	0.150	14:46
BLK	0.000	14:48

**Success**

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

Certification Status: Continued

DBH  
TW

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

*Department of Forensic Science*

Serial Number: 010654      Test Number: 250  
Test Date: 06/03/2015      Test Time: 14:50 EDT

Technician Initials: DBH  
Dry Gas Target: 0.080

Lot Number: 16114080I2-03      Exp Date: 07/05/2016  
Tank Pressure: 683 psi      Barometric Pressure: 764 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:51
BLK	0.000	14:51
CHK	0.080	14:52
BLK	0.000	14:53
CHK	0.080	14:54
BLK	0.000	14:56
CHK	0.080	14:56
BLK	0.000	14:58

**Success**

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

Certification Status: Continued

DBH  
TW

**Intox EC/1R-11: Certification**

*Department of Forensic Science*

Serial Number: 010654      Test Number: 251

Test Date: 06/03/2015      Test Time: 15:00 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 1611402011-02      Exp Date: 07/05/2016

Tank Pressure: 889 psi      Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:01
BLK	0.000	15:02
CHK	0.019	15:03
BLK	0.000	15:04
CHK	0.019	15:05
BLK	0.000	15:06
CHK	0.019	15:07
BLK	0.000	15:08

**Success**

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

Certification Status: Success

DB  
TW

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010654 Test Number: 252

Test Date: 06/03/2015 Test Time: 15:12 EDT

Dry Gas Target: 0.302

Lot Number: AG506501-12 Exp Date: 03/06/2017

Tank Pressure: 424 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:12
CHK	0.302	15:13
BLK	0.000	15:15
CHK	0.302	15:16
BLK	0.000	15:17
CHK	0.302	15:18

Test Status: Success

Calibration CRC: 76AE544A

DBH  
Thw

Intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010654 Test Number: 253

Test Date: 06/03/2015 Test Time: 15:23 EDT

Dry Gas Target: 0.101

Lot Number: AG407801-10 Exp Date: 03/19/2016

Tank Pressure: 306 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:24
CHK	0.100	15:24
BLK	0.000	15:26
CHK	0.100	15:27
BLK	0.000	15:28
CHK	0.100	15:29

Test Status: Success

Calibration CRC: 76AE544A

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  INSTRUMENT, TEST,	NAME OF COURT  DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2016	DATE TEST CONDUCTED  06/03/2015
TEST EQUIPMENT NUMBER  010654		

RESULTS: TIME SAMPLE TAKEN 15:39 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

DBH  
TLD



# IntoxNet MIS Report

Report Generated 03 Jun 2015 at 15:46

## Test Results

**Instrument Serial Number 010654**

**Test # 000254**      Subject Test

Test Location 1    Department of  
Test Date    03 Jun 2015

Test Location 2    Forensic Science  
Test Time    15:33  
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    10/01/2014

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    03 Jun 2015      End Time    15:40

Result Time    15:39

Result Date    03 Jun 2015      Result    0.00

Data Type    DIAG

Sample Value    Pass

Sample Time    15:33

Data Type    BLK

Sample Value    0.000

Sample Time    15:34

Data Type    CHK

Sample Value    0.100

Sample Time    15:35

Data Type    BLK

Sample Value    0.000

Sample Time    15:36

Data Type    SUBJ

Sample Value    0.000

Sample Time    15:37

Data Type    BLK

Sample Value    0.000

Sample Time    15:38

Data Type    SUBJ

Sample Value    0.000

Sample Time    15:39

Data Type    BLK

Sample Value    0.000

Sample Time    15:40

Standard Type    Dry Gas Std

Standard Value    0.100

Standard Lot Number    AG407801-10

Standard Expiration Date    03/19/2016

Tank Pressure    296

Barometric Pressure    763 mmHg

Blow Sample Number    1      Blow Duration    3.88 sec

Blow Volume    1973 cc      End-of-Blow Time    15:37

Blow Sample Number    2      Blow Duration    3.82 sec

Blow Volume    1946 cc      End-of-Blow Time    15:39

Tamper Evident Stamp    e414eb09

Test Status Code    0

Test Status    Success