



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:	010658
CERTIFICATION DATE:	January 8, 2014
DATE RECERTIFICATION DUE:	July 7, 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

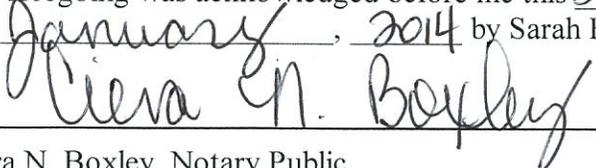
The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.



 Sarah E. Dersch
 Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 24th day of January, 2014 by Sarah E. Dersch



 Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

	Ciera N. Boxley
	Notary Public - ID 7364173
	Commonwealth of VA
	My Com. Exps. <u>08/31/2014</u>

msk

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/8/2014**

*HMS
SJA*

Instrument Serial Number: 010658

As of 08-Jan-14

Maintenance Date	Certification Date	Technician Initials	Remarks
08-Jan-14	08-Jan-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
18-Jul-13	18-Jul-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
28-Jan-13	28-Jan-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
10-Aug-12	10-Aug-12	HMS (18910)	CERTIFIED
18-May-12	23-Feb-12	HMS (18910)	REPLACED PRINTER RIBBON.
23-Feb-12	23-Feb-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
02-Sep-11	02-Sep-11	HMS (18910)	CERTIFIED
22-Mar-11	22-Mar-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
26-Oct-10	26-Oct-10	HMS (18910)	CERTIFIED
08-Oct-10	08-Oct-10	HMS (18910)	CALIBRATED BAROMETRIC PRESSURE SENSOR, CALIBRATED AND CERTIFIED.
30-Apr-10	30-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
03-Nov-09	03-Nov-09	HMS (18910)	CERTIFIED
02-Jun-09	02-Jun-09	HMS (18910)	CERTIFIED.
18-Mar-09	18-Mar-09	HMS (18910)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Feb-09	12-Feb-09	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

*HMS
Sud*

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010658** Worksheet Start Date **1/8/2014**

Location **Norfolk Naval Base**

Address **1957 Taussig Blvd., Norfolk, VA 23511**

DFS Technician **Heather Stanton** License No. **18910**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **784** Reference Barometer (mm HG) **778**

Reference Barometer(RB)Serial # **009113** RB Calibration Due **5/8/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.311
0.300	0.309	0.299	0.318	Sample 2	0.311
Precision		sample min	sample max	Sample 3	0.310
0.001		0.310	0.311		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.103
0.100	0.103	0.099	0.106	Sample 2	0.103
Precision		sample min	sample max	Sample 3	0.103
0		0.103	0.103		

Dry gas standard Lot No. (with tank no.) **AG332301-04**

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

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Instrument Serial Number

010658

Certification Date

1/8/2014

Calibrated

Certified

Measurement Assurance Check

Instrument Test

Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.257
0.250	0.258	0.250	0.265	Sample 2	0.256
Precision		sample min	sample max	Sample 3	0.255
0.002		0.255	0.257		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.154
0.150	0.155	0.150	0.159	Sample 2	0.154
Precision		sample min	sample max	Sample 3	0.154
0		0.154	0.154		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.082
0.080	0.082	0.079	0.085	Sample 2	0.082
Precision		sample min	sample max	Sample 3	0.082
0		0.082	0.082		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.021	0.018	0.024	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Heather W. Starch

Date

1/8/14

Issuing Analyst

Jed
meek

Date

1/21/14

HMS
sd

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 473

Test Date: 01/08/2014 Test Time: 10:50 EST

Technician Initials: *HMS*

Dry Gas Target: 0.258

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 85 psi Barometric Pressure: 784 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:51
BLK	0.000	10:52
CHK	0.257	10:52
BLK	0.000	10:54
CHK	0.256	10:55
BLK	0.000	10:56
CHK	0.255	10:57
BLK	0.000	10:58

Success

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

Certification Status: Continued

HMS
Sol

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 474
Test Date: 01/08/2014 Test Time: 11:00 EST

Technician Initials: HMS

Dry Gas Target: 0.155

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 321 psi Barometric Pressure: 783 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:00
BLK	0.000	11:01
CHK	0.154	11:02
BLK	0.000	11:03
CHK	0.154	11:04
BLK	0.000	11:05
CHK	0.154	11:06
BLK	0.000	11:07

Success

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

Certification Status: Continued

HMS
Sed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 475
Test Date: 01/08/2014 Test Time: 11:09 EST

Technician Initials: HMS

Dry Gas Target: 0.082

Lot Number: 07713080I2-04 Exp Date: 05/01/2015
Tank Pressure: 468 psi Barometric Pressure: 783 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:10
BLK	0.000	11:11
CHK	0.082	11:11
BLK	0.000	11:13
CHK	0.082	11:13
BLK	0.000	11:15
CHK	0.082	11:15
BLK	0.000	11:17

Success

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

Certification Status: Continued

HMS
Skel

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 476
Test Date: 01/08/2014 Test Time: 11:20 EST

Technician Initials: HMS

Dry Gas Target: 0.021

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 546 psi Barometric Pressure: 783 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:21
BLK	0.000	11:22
CHK	0.020	11:22
BLK	0.000	11:24
CHK	0.020	11:24
BLK	0.000	11:26
CHK	0.020	11:26
BLK	0.000	11:28

Success

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

Certification Status: Success

AMS
Suk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 477

Test Date: 01/08/2014 Test Time: 11:30 EST

Dry Gas Target: 0.309

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

Tank Pressure: 213 psi Barometric Pressure: 783 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:31
CHK	0.311	11:31
BLK	0.000	11:33
CHK	0.311	11:34
BLK	0.000	11:36
CHK	0.310	11:37

Test Status: *Success*

Calibration CRC: 624A3309

AMS
sid

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 478

Test Date: 01/08/2014 Test Time: 11:39 EST

Dry Gas Target: 0.103

Lot Number: AG332301-04 Exp Date: 11/19/2015

Tank Pressure: 1120 psi Barometric Pressure: 783 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:40
CHK	0.103	11:41
BLK	0.000	11:42
CHK	0.103	11:43
BLK	0.000	11:44
CHK	0.103	11:45

Test Status: *Success*

Calibration CRC: 624A3309

HMS
Dad



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
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/08/2014
TEST EQUIPMENT NUMBER 010658		

RESULTS: TIME SAMPLE TAKEN 11:53 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

FOR COURT



IntoxNet MIS Report
Report Generated 08 Jan 2014 at 15:03

Handwritten initials/signature

Test Results

Instrument Serial Number 010658

Test # 000479 Subject Test

Test Location 1 Department of
Test Date 08 Jan 2014

Test Location 2 Forensic Science
Test Time 11:47
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
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 08 Jan 2014 End Time 11:54

Result Time 11:53

Result Date 08 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:47

Data Type BLK

Sample Value 0.000

Sample Time 11:48

Data Type CHK

Sample Value 0.103

Sample Time 11:48

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

Data Type SUBJ

Sample Value 0.000

Sample Time 11:53

Data Type BLK

Sample Value 0.000

Sample Time 11:54

Standard Type Dry Gas Std

Standard Value 0.103

Standard Lot Number AG332301-04

Standard Expiration Date 11/19/2015

Tank Pressure 1115

Barometric Pressure 783 mmHg

Blow Sample Number 1 Blow Duration 3.37 sec

Blow Volume 1768 cc End-of-Blow Time 11:51

Blow Sample Number 2 Blow Duration 3.30 sec

Blow Volume 1778 cc End-of-Blow Time 11:53

Tamper Evident Stamp b60c0fa3

Test Status Code 0

Test Status Success