



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: 010610
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.

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Sarah E. Dersch
Forensic Scientist

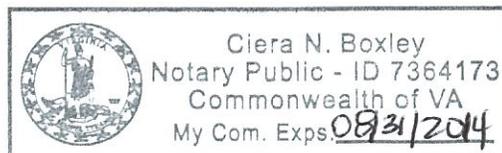
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

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

[Handwritten signature: Ciera N. Boxley]

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



[Handwritten initials]

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

*HMS
sed*

Instrument Serial Number: 010610

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, REPLACED PRINTER RIBBON.
02-Aug-13	02-Aug-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
26-Mar-13	06-Feb-13	DBH (21250)	REPLACED UPS BACK-UP BATTERY.
06-Feb-13	06-Feb-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
22-Aug-12	22-Aug-12	HMS (18910)	CERTIFIED
28-Feb-12	28-Feb-12	DBH (21250)	CERTIFIED
07-Sep-11	07-Sep-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Mar-11	29-Mar-11	RJP (22428)	CERTIFIED.
13-Oct-10	13-Oct-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
07-May-10	07-May-10	MSK (21355)	CERTIFIED
27-Apr-10	27-Apr-10	RJP (22428)	CERTIFIED
03-Nov-09	03-Nov-09	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
19-May-09	19-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
23-Feb-09	23-Feb-09	RJP (22428)	CALIBRATED AND CERTIFIED.
05-Dec-08	05-Dec-08	RJP (22428)	CERTIFIED.
24-Nov-08	24-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

Handwritten initials/signature

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010610 Worksheet Start Date: 1/8/2014
Location: Norfolk City Jail
Address: 811 E. City Hall Ave., Norfolk, VA 23510
DFS Technician: Heather Stanton License No.: 18910

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 774 Reference Barometer (mm HG): 777
Reference Barometer(RB)Serial #: 009113 RB Calibration Due: 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.304
0.300	0.306	0.296	0.315	Sample 2	0.304
Precision		sample min	sample max	Sample 3	0.303
0.001		0.303	0.304		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.102	0.098	0.105	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

Dry gas standard Lot No. (with tank no.): AG219101-01

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

Supplies
 Mouthpieces
 Certificates of Analysis
 Operator Worksheet
 Other:

1 box
 1/2 box
 4 pads

Notes:

Replaced printer ribbon.

Instrument Serial Number

010610

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	0.251
0.250	0.255	0.247	0.262	Sample 2	0.251
Precision		sample min	sample max	Sample 3	0.250
0.001		0.250	0.251		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.153	0.148	0.157	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.151
0.001		0.150	0.151		

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

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	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

Heath W. Storch

Date

1/8/14

Issuing Analyst

Jed
msk

Date

1/21/14

HMS
Jed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010610 Test Number: 1308
Test Date: 01/08/2014 Test Time: 08:46 EST

Technician Initials: HMS

Dry Gas Target: 0.255

Lot Number: 29612250I2-08 Exp Date: 11/01/2014
Tank Pressure: 85 psi Barometric Pressure: 774 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:47
BLK	0.000	08:47
CHK	0.251	08:48
BLK	0.000	08:50
CHK	0.251	08:51
BLK	0.000	08:52
CHK	0.250	08:53
BLK	0.000	08:55

Success

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

Certification Status: Continued

HMS
Sed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010610 Test Number: 1309
Test Date: 01/08/2014 Test Time: 08:56 EST

Technician Initials: HMS

Dry Gas Target: 0.153

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

Tank Pressure: 330 psi Barometric Pressure: 774 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:57
BLK	0.000	08:57
CHK	0.151	08:58
BLK	0.000	09:00
CHK	0.150	09:00
BLK	0.000	09:02
CHK	0.151	09:03
BLK	0.000	09:04

Success

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

Certification Status: Continued

HMS
sid

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010610 Test Number: 1310
Test Date: 01/08/2014 Test Time: 09:06 EST

Technician Initials: HMS

Dry Gas Target: 0.082

Lot Number: 07713080I2-04 Exp Date: 05/01/2015

Tank Pressure: 477 psi Barometric Pressure: 775 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	09:06
BLK	0.000	09:07
CHK	0.080	09:08
BLK	0.000	09:09
CHK	0.080	09:10
BLK	0.000	09:11
CHK	0.080	09:12
BLK	0.000	09:13

Success

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

Certification Status: Continued

HMS
SCL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010610 Test Number: 1311
Test Date: 01/08/2014 Test Time: 09:14 EST

Technician Initials: HMS

Dry Gas Target: 0.020

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

Tank Pressure: 566 psi Barometric Pressure: 775 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:15
BLK	0.000	09:16
CHK	0.020	09:16
BLK	0.000	09:17
CHK	0.020	09:18
BLK	0.000	09:19
CHK	0.020	09:20
BLK	0.000	09:21

Success

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

Certification Status: Success

~~AMS~~
Sud

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010610 Test Number: 1312

Test Date: 01/08/2014 Test Time: 09:26 EST

Dry Gas Target: 0.306

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

Tank Pressure: 223 psi Barometric Pressure: 775 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:26
CHK	0.304	09:27
BLK	0.000	09:29
CHK	0.304	09:30
BLK	0.000	09:32
CHK	0.303	09:33

Test Status: *Success*

Calibration CRC: 4273118A

HMS
std

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010610 Test Number: 1313

Test Date: 01/08/2014 Test Time: 09:35 EST

Dry Gas Target: 0.102

Lot Number: AG219101-01 Exp Date: 07/09/2014

Tank Pressure: 1017 psi Barometric Pressure: 775 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:36
CHK	0.100	09:37
BLK	0.000	09:38
CHK	0.100	09:39
BLK	0.000	09:40
CHK	0.100	09:41

Test Status: *Success*

Calibration CRC: 4273118A

HMS
sd



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 DES
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DES Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/08/2014
TEST EQUIPMENT NUMBER 010610		

RESULTS: TIME SAMPLE TAKEN 09:49 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 08 Jan 2014 at 15:01

HMS
sd

Test Results

Instrument Serial Number 010610

Test # 001314 Subject Test

Test Location 1 Department of
Test Date 08 Jan 2014

Test Location 2 Forensic Science
Test Time 09:43
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 09:51

Result Time 09:49

Result Date 08 Jan 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:43

Data Type BLK

Sample Value 0.000

Sample Time 09:44

Data Type CHK

Sample Value 0.100

Sample Time 09:45

Data Type BLK

Sample Value 0.000

Sample Time 09:46

Data Type SUBJ

Sample Value 0.000

Sample Time 09:47

Data Type BLK

Sample Value 0.000

Sample Time 09:48

Data Type SUBJ

Sample Value 0.000

Sample Time 09:49

Data Type BLK

Sample Value 0.000

Sample Time 09:50

Standard Type Dry Gas Std

Standard Value 0.102

Standard Lot Number AG219101-01

Standard Expiration Date 07/09/2014

Tank Pressure 1017

Barometric Pressure 775 mmHg

Blow Sample Number 1 Blow Duration 3.63 sec

Blow Volume 1784 cc End-of-Blow Time 09:47

Blow Sample Number 2 Blow Duration 3.61 sec

Blow Volume 1775 cc End-of-Blow Time 09:49

Tamper Evident Stamp 46e8c3e6

Test Status Code 0

Test Status Success