



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: 010497
CERTIFICATION DATE: February 19, 2014
DATE RECERTIFICATION DUE: August 18, 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]
Sarah E. Dersch
Forensic Scientist

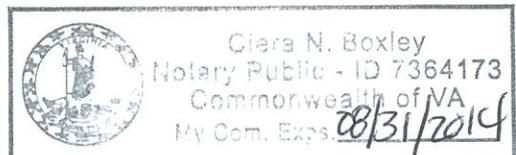
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 28th day of February, 2014 by Sarah E. Dersch

[Signature]
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

MMB



**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/24/2014**

*HMS
RJP*

Instrument Serial Number: 010497

As of 24-Feb-14

Maintenance Date	Certification Date	Technician Initials	Remarks
19-Feb-14	19-Feb-14	HMS (18910)	CERTIFIED
05-Sep-13	05-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
27-Mar-13	27-Mar-13	DBH (21250)	CALIBRATED AND CERTIFIED.
09-Oct-12	09-Oct-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Apr-12	25-Apr-12	DBH (21250)	CERTIFIED
29-Nov-11	29-Nov-11	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED.
02-Nov-11	02-Nov-11	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
24-May-11	24-May-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
07-Dec-10	07-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
22-Jun-10	22-Jun-10	RJP (22428)	CERTIFIED.
06-Jan-10	06-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
23-Jul-09	23-Jul-09	RJP (22428)	CERTIFIED.
12-Mar-09	12-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
02-Dec-08	02-Dec-08	RJP (22428)	CERTIFIED.
27-Oct-08	27-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

Handwritten initials/signature

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010497** Worksheet Start Date **2/19/2014**

Location **Wise County**

Address **9635 Coeburn Mountain Rd., Wise, VA 24293**

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

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **696** Reference Barometer (mm HG) **695**

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

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.277
0.300	0.275	0.266	0.283	Sample 2	0.277
Precision		sample min	sample max	Sample 3	0.277
0		0.277	0.277		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.091
0.100	0.092	0.089	0.095	Sample 2	0.091
Precision		sample min	sample max	Sample 3	0.091
0		0.091	0.091		

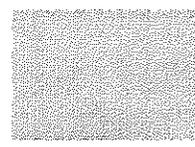
Dry gas standard Lot No. (with tank no.) **AG316301-14**

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

[Large shaded area for notes]

Instrument Serial Number

010497

Certification Date

2/19/2014

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	0.229
0.250	0.229	0.222	0.235	Sample 2	0.229
Precision		sample min	sample max	Sample 3	0.228
0.001		0.228	0.229		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.137
0.150	0.137	0.132	0.141	Sample 2	0.137
Precision		sample min	sample max	Sample 3	0.137
0		0.137	0.137		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.073
0.080	0.073	0.070	0.076	Sample 2	0.073
Precision		sample min	sample max	Sample 3	0.073
0		0.073	0.073		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.018	0.015	0.021	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

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. Stock

Date

2/24/14

Issuing Analyst

gud

Date

2/27/14

MMB

HMS
Ed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010497 Test Number: 775
Test Date: 02/19/2014 Test Time: 14:15 EST

Technician Initials: HMS

Dry Gas Target: 0.229

Lot Number: 07713250I4-02 Exp Date: 05/01/2015

Tank Pressure: 664 psi Barometric Pressure: 696 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:15
BLK	0.000	14:16
CHK	0.229	14:16
BLK	0.000	14:18
CHK	0.229	14:19
BLK	0.000	14:21
CHK	0.228	14:22
BLK	0.000	14:23

Success

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

Certification Status: Continued

HMS
Ed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010497 Test Number: 776
Test Date: 02/19/2014 Test Time: 14:25 EST

Technician Initials: *HMS*

Dry Gas Target: 0.137

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

Tank Pressure: 139 psi Barometric Pressure: 696 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:25
BLK	0.000	14:26
CHK	0.137	14:27
BLK	0.000	14:28
CHK	0.137	14:29
BLK	0.000	14:31
CHK	0.137	14:31
BLK	0.000	14:33

Success

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

Certification Status: Continued

HMS
Feb

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010497 Test Number: 777
Test Date: 02/19/2014 Test Time: 14:36 EST

Technician Initials: *HMS*

Dry Gas Target: 0.073

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 232 *psi* Barometric Pressure: 696 *mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:36
BLK	0.000	14:37
CHK	0.073	14:38
BLK	0.000	14:39
CHK	0.073	14:40
BLK	0.000	14:41
CHK	0.073	14:42
BLK	0.000	14:43

Success

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

Certification Status: Continued

HMS
Fred

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010497 Test Number: 778
Test Date: 02/19/2014 Test Time: 14:45 EST

Technician Initials: HMS

Dry Gas Target: 0.018

Lot Number: 0771302011-04 Exp Date: 05/01/2015
Tank Pressure: 218 psi Barometric Pressure: 696 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:45
BLK	0.000	14:46
CHK	0.018	14:47
BLK	0.000	14:48
CHK	0.018	14:49
BLK	0.000	14:50
CHK	0.018	14:51
BLK	0.000	14:52

Success

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

Certification Status: Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010497 Test Number: 779

Test Date: 02/19/2014 Test Time: 14:54 EST

Dry Gas Target: 0.275

Lot Number: AG322702-05 Exp Date: 08/15/2015

Tank Pressure: 473 psi Barometric Pressure: 696 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:55
CHK	0.277	14:56
BLK	0.000	14:58
CHK	0.277	14:59
BLK	0.000	15:01
CHK	0.277	15:02

Test Status: *Success*

Calibration CRC: A3CCCC1A

Hand
Seal

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010497 Test Number: 780

Test Date: 02/19/2014 Test Time: 15:04 EST

Dry Gas Target: 0.092

Lot Number: AG316301-14 Exp Date: 06/12/2015

Tank Pressure: 1031 psi Barometric Pressure: 696 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:05
CHK	0.091	15:05
BLK	0.000	15:07
CHK	0.091	15:08
BLK	0.000	15:09
CHK	0.091	15:10

Test Status: *Success*

Calibration CRC: A3CCCC1A

AMS
Sed



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 02/19/2014
TEST EQUIPMENT NUMBER 010497		

RESULTS: TIME SAMPLE TAKEN 15:19 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 24 Feb 2014 at 08:55

AMS
sed

Test Results

Instrument Serial Number 010497

Test # 000781 Subject Test

Test Location 1 Department of
Test Date 19 Feb 2014

Test Location 2 Forensic Science
Test Time 15:12
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Subject's Last Name INSTRUMENT

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Middle Initial

Subject's First Name TEST

Driver's License Number

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License State

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 19 Feb 2014 End Time 15:20

Result Time 15:19

Result Date 19 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:12

Data Type BLK

Sample Value 0.000

Sample Time 15:13

Data Type CHK

Sample Value 0.091

Sample Time 15:14

Data Type BLK

Sample Value 0.000

Sample Time 15:15

Data Type SUBJ

Sample Value 0.000

Sample Time 15:16

Data Type BLK

Sample Value 0.000

Sample Time 15:17

Data Type SUBJ

Sample Value 0.000

Sample Time 15:19

Data Type BLK

Sample Value 0.000

Sample Time 15:20

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG316301-14

Standard Expiration Date 06/12/2015

Tank Pressure 1026

Barometric Pressure 696 mmHg

Blow Sample Number 1 Blow Duration 3.17 sec

Blow Volume 1786 cc End-of-Blow Time 15:16

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1777 cc End-of-Blow Time 15:19

Tamper Evident Stamp cdf5bc06

Test Status Code 0

Test Status Success