



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: 010566
CERTIFICATION DATE: January 14, 2014
DATE RECERTIFICATION DUE: July 13, 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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Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 24th day of January, 2014 by Timmy L. Neece, Jr.

[Handwritten signature: Ciera N. Boxley]
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



msk

Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 1/16/2014

100
WJK

Instrument Serial Number: 010566

As of 16-Jan-14

Start Date	End Date	Agency Name
14-Jan-14		Fairfax County PD
05-Oct-10	14-Jan-14	DFS Central Lab
20-Apr-09	05-Oct-10	Prince William County PD
23-Jun-08	20-Apr-09	DFS Central Lab

TLN

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/16/2014

Instrument Serial Number: 010566 **As of 16-Jan-14**

Maintenance Date	Certification Date	Technician Initials	Remarks
14-Jan-14	14-Jan-14	TLN (25387)	CERTIFIED.
16-Oct-13	16-Oct-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. REPLACED AND TESTED FUEL CELL MODULE. CALIBRATED AND CERTIFIED.
18-Aug-10	18-Aug-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
07-Jun-10	07-Jun-10	HMS (18910)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
03-Jun-10	11-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
06-May-10	11-Mar-10	HMS (18910)	REPLACED DRY GAS STANDARD.
11-Mar-10	11-Mar-10	HMS (18910)	CERTIFIED
23-Feb-10	23-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD.
18-Dec-09	23-Sep-09	NMJ (22392)	REPLACED DRY GAS STANDARD
23-Sep-09	23-Sep-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED.
01-Jul-09	20-Apr-09	HMS (18910)	REPLACED DRY GAS STANDARD.
20-Apr-09	20-Apr-09	HMS (18910)	CERTIFIED.
19-Mar-09	19-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
17-Feb-09	17-Feb-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

TLN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010566** Worksheet Start Date **1/14/2014**
 Location **Fairfax County ADC**
 Address **10520 Judicial Drive, Fairfax VA, 22030**
 DFS Technician **Timmy Neece, Jr** License No. **25387**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **743** Reference Barometer (mm HG) **744**
 Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.293	0.284	0.301	0.297	0.296	0.296
Precision		sample min	sample max			
0.001		0.296	0.297			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.098	0.095	0.101	0.098	0.098	0.098
Precision		sample min	sample max			
0		0.098	0.098			

Dry gas standard Lot No. (with tank no.) **AG217702-19**

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

Supplies
 Mouthpieces **500**
 Certificates of Analysis **500**
 Operator Worksheet
 Other:

Notes:

[Large shaded area for notes]

Instrument Serial Number

010566

Certification Date

1/14/2014

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	0.247
0.250	0.244	0.236	0.251	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.245
0.002		0.245	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.147
0.150	0.147	0.142	0.151	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0		0.147	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.078	0.075	0.081	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	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

[Signature]

Date

1/16/14

Issuing Analyst

[Signature]

Date

1/16/14

MSK

TLN

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010566 Test Number: 1986
Test Date: 01/14/2014 Test Time: 12:42 EST

Technician Initials: TLN
Dry Gas Target: 0.244
Lot Number: 0651225015-02 Exp Date: 04/01/2014
Tank Pressure: 438 psi Barometric Pressure: 742 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:42
BLK	0.000	12:43
CHK	0.247	12:44
BLK	0.000	12:45
CHK	0.246	12:46
BLK	0.000	12:47
CHK	0.245	12:48
BLK	0.000	12:49

Success

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

Certification Status: Continued

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010566 Test Number: 1987
Test Date: 01/14/2014 Test Time: 12:51 EST

Technician Initials: TLN

Dry Gas Target: 0.147

Lot Number: 0651215014-04 Exp Date: 04/01/2014

Tank Pressure: 943 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:52
BLK	0.000	12:53
CHK	0.147	12:54
BLK	0.000	12:55
CHK	0.147	12:55
BLK	0.000	12:57
CHK	0.147	12:57
BLK	0.000	12:59

Success

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

Certification Status: Continued

TLN

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010566 Test Number: 1988
Test Date: 01/14/2014 Test Time: 13:01 EST

Technician Initials: TLN

Dry Gas Target: 0.078

Lot Number: 06512080I2-01 Exp Date: 04/01/2014

Tank Pressure: 1061 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:02
BLK	0.000	13:02
CHK	0.078	13:03
BLK	0.000	13:04
CHK	0.078	13:05
BLK	0.000	13:06
CHK	0.078	13:07
BLK	0.000	13:08

Success

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

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010566 Test Number: 1989
Test Date: 01/14/2014 Test Time: 13:11 EST

Technician Initials: TLN

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014

Tank Pressure: 120 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:11
BLK	0.000	13:12
CHK	0.019	13:13
BLK	0.000	13:14
CHK	0.019	13:15
BLK	0.000	13:16
CHK	0.019	13:17
BLK	0.000	13:18

Success

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

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010566 Test Number: 1990

Test Date: 01/14/2014 Test Time: 13:21 EST

Dry Gas Target: 0.293

Lot Number: AG321804-04 Exp Date: 08/06/2015

Tank Pressure: 522 psi Barometric Pressure: 743 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:22
CHK	0.297	13:22
BLK	0.000	13:24
CHK	0.296	13:25
BLK	0.000	13:26
CHK	0.296	13:27

Test Status: *Success*

Calibration CRC: 681B5049

TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010566 Test Number: 1991

Test Date: 01/14/2014 Test Time: 13:31 EST

Dry Gas Target: 0.098

Lot Number: AG217702-19 Exp Date: 06/25/2014

Tank Pressure: 419 psi Barometric Pressure: 743 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:32
CHK	0.098	13:33
BLK	0.000	13:34
CHK	0.098	13:35
BLK	0.000	13:36
CHK	0.098	13:37

Test Status: *Success*

Calibration CRC: 681B5049

TLN



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 NEECE, JR., TIMMY, L		AGENCY DFS Central Lab
DFS LICENSE NUMBER 25387	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/14/2014
TEST EQUIPMENT NUMBER 010566		

RESULTS: TIME SAMPLE TAKEN 13:47 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 14 Jan 2014 at 13:57

SL
TLN

Test Results

Instrument Serial Number 010566

Test # 001992 Subject Test

Test Location 1 Department of
Test Date 14 Jan 2014

Test Location 2 Forensic Science
Test Time 13:41
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name NEECE, JR.
Agency DFS Central Lab

Operator's First Name TIMMY

Operator's Middle Initial L

Card Serial Number 125387

License Number 25387

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 14 Jan 2014 End Time 13:48

Result Time 13:47

Result Date 14 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:41

Data Type BLK

Sample Value 0.000

Sample Time 13:42

Data Type CHK

Sample Value 0.098

Sample Time 13:42

Data Type BLK

Sample Value 0.000

Sample Time 13:44

Data Type SUBJ

Sample Value 0.000

Sample Time 13:44

Data Type BLK

Sample Value 0.000

Sample Time 13:45

Data Type SUBJ

Sample Value 0.000

Sample Time 13:47

Data Type BLK

Sample Value 0.000

Sample Time 13:48

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG217702-19

Standard Expiration Date 06/25/2014

Tank Pressure 409

Barometric Pressure 743 mmHg

Blow Sample Number 1 Blow Duration 4.04 sec

Blow Volume 1884 cc End-of-Blow Time 13:44

Blow Sample Number 2 Blow Duration 3.95 sec

Blow Volume 1912 cc End-of-Blow Time 13:47

Tamper Evident Stamp 1c09cdbd

Test Status Code 0

Test Status Success