



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: 010477
CERTIFICATION DATE: January 9, 2014
DATE RECERTIFICATION DUE: July 8, 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.

Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 15th day of January, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

msk



TLN

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/13/2014**

Instrument Serial Number: 010477

As of 13-Jan-14

Maintenance Date	Certification Date	Technician Initials	Remarks
09-Jan-14	09-Jan-14	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
31-Jul-13	31-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
30-Apr-13	30-Apr-13	HMS (18910)	CERTIFIED
13-Feb-13	13-Feb-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
30-Aug-12	30-Aug-12	DBH (21250)	CERTIFIED.
14-Mar-12	14-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
20-Sep-11	20-Sep-11	DBH (21250)	CERTIFIED
08-Aug-11	08-Aug-11	DBH (21250)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
29-Mar-11	29-Mar-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
21-Oct-10	21-Oct-10	DBH (21250)	CERTIFIED
04-May-10	04-May-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
17-Nov-09	17-Nov-09	DBH (21250)	CERTIFIED
03-Jun-09	03-Jun-09	DBH (21250)	CERTIFIED.
12-May-09	12-May-09	RJP (22428)	REPLACED TANK TOP LID. CERTIFIED.
29-Apr-09	29-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
10-Nov-08	10-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

TW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010477** Worksheet Start Date **1/9/2014**
 Location **Lancaster Co SO**
 Address **8293 Mary Ball Road, Lancaster VA 22503**
 DFS Technician **Timmy Neece, Jr** License No. **25387**
 Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **775** Reference Barometer (mm HG) **775**
 Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

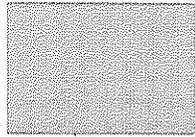
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.303
0.300	0.306	0.296	0.315	Sample 2	0.303
Precision		sample min	sample max	Sample 3	0.302
0.001		0.302	0.303		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.101
0.100	0.102	0.098	0.105	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.100
0.001		0.100	0.101		

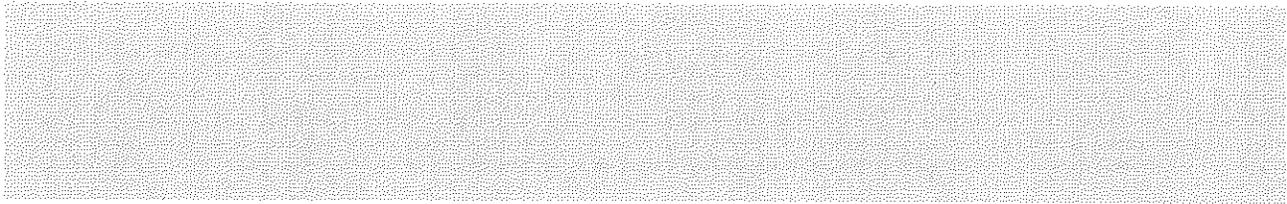
Dry gas standard Lot No. (with tank no.) **AG322301-24**

- 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

010477

Certification Date

1/9/2014

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	0.253
0.250	0.255	0.247	0.262	Sample 2	0.252
Precision		sample min	sample max	Sample 3	0.251
0.002		0.251	0.253		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.153	0.148	0.157	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.150
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	0.081
0.001		0.080	0.081		

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

Date

1-10-14

Issuing Analyst

Date

1-10-14
1-13-14

msk

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010477 Test Number: 260

Test Date: 01/09/2014 Test Time: 12:02 EST

Technician Initials: TLN

Dry Gas Target: 0.255

Lot Number: 06512250I5-02 Exp Date: 04/01/2014

Tank Pressure: 443 psi Barometric Pressure: 774 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:02
BLK	0.000	12:03
CHK	0.253	12:04
BLK	0.000	12:05
CHK	0.252	12:06
BLK	0.000	12:07
CHK	0.251	12:08
BLK	0.000	12:10

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: 010477 Test Number: 261

Test Date: 01/09/2014 Test Time: 12:13 EST

Technician Initials: TLN

Dry Gas Target: 0.153

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

Tank Pressure: 948 psi Barometric Pressure: 774 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:13
BLK	0.000	12:14
CHK	0.151	12:15
BLK	0.000	12:16
CHK	0.151	12:17
BLK	0.000	12:18
CHK	0.150	12:19
BLK	0.000	12:20

Success

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

Certification Status: Continued

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010477 Test Number: 262

Test Date: 01/09/2014 Test Time: 12:24 EST

Technician Initials: TLN

Dry Gas Target: 0.082

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

Tank Pressure: 1066 psi Barometric Pressure: 774 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:24
BLK	0.000	12:25
CHK	0.080	12:26
BLK	0.000	12:27
CHK	0.080	12:28
BLK	0.000	12:29
CHK	0.081	12:30
BLK	0.000	12:31

Success

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

Certification Status: Continued

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010477 Test Number: 263

Test Date: 01/09/2014 Test Time: 12:33 EST

Technician Initials: TLN

Dry Gas Target: 0.020

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

Tank Pressure: 120 psi Barometric Pressure: 774 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:34
BLK	0.000	12:34
CHK	0.020	12:35
BLK	0.000	12:36
CHK	0.020	12:37
BLK	0.000	12:38
CHK	0.020	12:39
BLK	0.000	12:40

Success

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

Certification Status: Success

TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010477 Test Number: 264

Test Date: 01/09/2014 Test Time: 12:43 EST

Dry Gas Target: 0.306

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 61 psi Barometric Pressure: 774 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:44
CHK	0.303	12:44
BLK	0.000	12:46
CHK	0.303	12:47
BLK	0.000	12:49
CHK	0.302	12:50

Test Status: *Success*

Calibration CRC: F3066243

TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010477 Test Number: 265

Test Date: 01/09/2014 Test Time: 12:53 EST

Dry Gas Target: 0.102

Lot Number: AG332301-24 Exp Date: 11/19/2015

Tank Pressure: 1115 psi Barometric Pressure: 774 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:54
CHK	0.101	12:55
BLK	0.000	12:56
CHK	0.101	12:57
BLK	0.000	12:58
CHK	0.100	12:59

Test Status: *Success*

Calibration CRC: F3066243

TW



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 NEECE, JR., TIMMY, L.		AGENCY DFS Central Lab
DFS LICENSE NUMBER 25387	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/09/2014
TEST EQUIPMENT NUMBER 010477		

RESULTS: TIME SAMPLE TAKEN **13:07 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 10 Jan 2014 at 08:50

TW

Test Results

Instrument Serial Number 010477

Test # 000266 **Subject Test**

Test Location 1 Department of
Test Date 09 Jan 2014

Test Location 2 Forensic Science
Test Time 13:01
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 09 Jan 2014 End Time 13:09

Result Time 13:07

Result Date 09 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:01

Data Type BLK

Sample Value 0.000

Sample Time 13:02

Data Type CHK

Sample Value 0.100

Sample Time 13:03

Data Type BLK

Sample Value 0.000

Sample Time 13:04

Data Type SUBJ

Sample Value 0.000

Sample Time 13:05

Data Type BLK

Sample Value 0.000

Sample Time 13:06

Data Type SUBJ

Sample Value 0.000

Sample Time 13:07

Data Type BLK

Sample Value 0.000

Sample Time 13:08

Standard Type Dry Gas Std

Standard Value 0.102

Standard Lot Number AG332301-24

Standard Expiration Date 11/19/2015

Tank Pressure 1115

Barometric Pressure 774 mmHg

Blow Sample Number 1 Blow Duration 3.45 sec

Blow Volume 2038 cc End-of-Blow Time 13:05

Blow Sample Number 2 Blow Duration 3.65 sec

Blow Volume 1739 cc End-of-Blow Time 13:07

Tamper Evident Stamp 0b4bc767

Test Status Code 0

Test Status Success