



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: 010656
CERTIFICATION DATE: March 20, 2014
DATE RECERTIFICATION DUE: September 16, 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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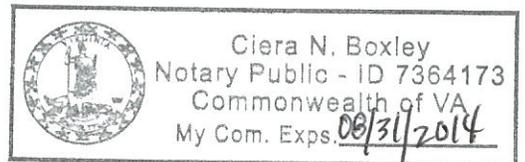
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25th day of March, 2014 by Timmy L. Neece, Jr.

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

My commission expires: August 31, 2014



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DBH
TLV

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 3/21/2014**

Instrument Serial Number: 010656

As of 21-Mar-14

Maintenance Date	Certification Date	Technician Initials	Remarks
20-Mar-14	20-Mar-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
01-Oct-13	01-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
18-Apr-13	18-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Nov-12	07-Nov-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
22-May-12	22-May-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Dec-11	08-Dec-11	DBH (21250)	CERTIFIED
29-Jun-11	29-Jun-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
07-Jan-11	07-Jan-11	DBH (21250)	CERTIFIED
22-Jul-10	22-Jul-10	DBH (21250)	CERTIFIED
03-Mar-10	03-Mar-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
16-Nov-09	16-Nov-09	DBH (21250)	CERTIFIED
26-May-09	26-May-09	HMS (18910)	REPLACED PRINTER, CERTIFIED.
19-Mar-09	19-Mar-09	HMS (18910)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
09-Feb-09	09-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
TLW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010656** Worksheet Start Date **3/20/2014**
Location **Little Creek NAB**
Address **1175 Nider Blvd Norfolk VA 23521**
DFS Technician **Donald Hall** License No. **21250**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **760** Reference Barometer (mm HG) **760**
Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

Measurement Assurance Check

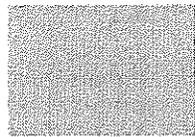
Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.300	0.291	0.309	0.306	0.306	0.305
Precision		sample min	sample max			
0.001		0.305	0.306			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.100	0.097	0.103	0.101	0.101	0.101
Precision		sample min	sample max			
0		0.101	0.101			

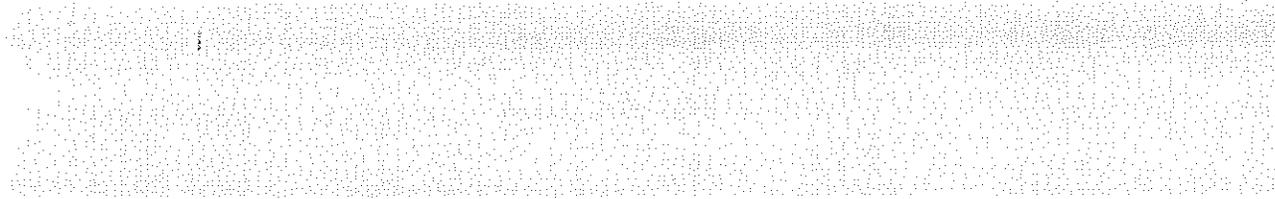
Dry gas standard Lot No. (with tank no.) **AG227501-29**

- 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

010656

Certification Date

3/20/2014

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	0.250
0.250	0.250	0.242	0.257	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0		0.250	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

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

Donald B Hall

Date

3/21/14

Issuing Analyst

[Signature]

Date

3/21/14

MSL

DBH
TLN

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010656 Test Number: 221
Test Date: 03/20/2014 Test Time: 12:04 EDT

Technician Initials: DBH
Dry Gas Target: 0.250
Lot Number: 29612250I2-09 Exp Date: 11/01/2014
Tank Pressure: 306 psi Barometric Pressure: 760 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:05
BLK	0.000	12:05
CHK	0.250	12:06
BLK	0.000	12:08
CHK	0.250	12:09
BLK	0.000	12:10
CHK	0.250	12:11
BLK	0.000	12:13

Success

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

Certification Status: Continued

DBH
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 222
Test Date: 03/20/2014 Test Time: 12:15 EDT

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 29512150I2-04 Exp Date: 11/01/2014

Tank Pressure: 830 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:15
BLK	0.000	12:16
CHK	0.150	12:17
BLK	0.000	12:18
CHK	0.150	12:19
BLK	0.000	12:21
CHK	0.150	12:22
BLK	0.000	12:23

Success

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

Certification Status: Continued

DBH
TLV

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 223
Test Date: 03/20/2014 Test Time: 12:26 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

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

Tank Pressure: 340 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:26
BLK	0.000	12:27
CHK	0.081	12:28
BLK	0.000	12:29
CHK	0.081	12:30
BLK	0.000	12:31
CHK	0.081	12:32
BLK	0.000	12:33

Success

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

Certification Status: Continued

DBH
TLV

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010656 Test Number: 224
Test Date: 03/20/2014 Test Time: 12:35 EDT

Technician Initials: DBH
Dry Gas Target: 0.020
Lot Number: 0771302011-02 Exp Date: 05/01/2015
Tank Pressure: 379 psi Barometric Pressure: 759 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:36
BLK	0.000	12:37
CHK	0.019	12:37
BLK	0.000	12:39
CHK	0.019	12:40
BLK	0.000	12:41
CHK	0.019	12:42
BLK	0.000	12:43

Success

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

Certification Status: Success

DBH
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 225

Test Date: 03/20/2014 Test Time: 12:46 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-06 Exp Date: 08/15/2015

Tank Pressure: 193 psi Barometric Pressure: 759 mmHg

System Check: *Passed*

#Test	g/210L	Time
BLK	0.000	12:46
CHK	0.306	12:47
BLK	0.000	12:49
CHK	0.306	12:50
BLK	0.000	12:51
CHK	0.305	12:52

Test Status: *Success*

Calibration CRC: 237DD915

DBH
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science
Serial Number: 010656 Test Number: 226
Test Date: 03/20/2014 Test Time: 12:55 EDT
Dry Gas Target: 0.100
Lot Number: AG227501-29 Exp Date: 10/01/2014
Tank Pressure: 816 psi Barometric Pressure: 759 mmHg
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:56
CHK	0.101	12:56
BLK	0.000	12:58
CHK	0.101	12:59
BLK	0.000	13:00
CHK	0.101	13:01

Test Status: *Success*

Calibration CRC: 237DD915

DBH
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 HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 03/20/2014
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 13:10 EDT

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 20 Mar 2014 at 13:17

DBH
HMS
TLW

Test Results

Instrument Serial Number 010656

Test # 000227 Subject Test

Test Location 1 Department of
Test Date 20 Mar 2014

Test Location 2 Forensic Science
Test Time 13:03
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

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 20 Mar 2014 End Time 13:11

Result Time 13:10

Result Date 20 Mar 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:04

Data Type BLK

Sample Value 0.000

Sample Time 13:04

Data Type CHK

Sample Value 0.101

Sample Time 13:05

Data Type BLK

Sample Value 0.000

Sample Time 13:07

Data Type SUBJ

Sample Value 0.000

Sample Time 13:07

Data Type BLK

Sample Value 0.000

Sample Time 13:08

Data Type SUBJ

Sample Value 0.000

Sample Time 13:10

Data Type BLK

Sample Value 0.000

Sample Time 13:11

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG227501-29

Standard Expiration Date 10/01/2014

Tank Pressure 806

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.92 sec

Blow Volume 2100 cc

End-of-Blow Time 13:07

Blow Sample Number 2 Blow Duration 3.62 sec

Blow Volume 2023 cc

End-of-Blow Time 13:10

Tamper Evident Stamp 35a80c52

Test Status Code 0

Test Status Success