



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: 010506
CERTIFICATION DATE: February 18, 2014
DATE RECERTIFICATION DUE: August 17, 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]
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 5th day of
March, 2014 by Timmy L. Neece, Jr.

[Signature]
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
TW

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/20/2014**

Instrument Serial Number: 010506 **As of 20-Feb-14**

Maintenance Date	Certification Date	Technician Initials	Remarks
18-Feb-14	18-Feb-14	DBH (21250)	CERTIFIED.
31-Jan-14	31-Jan-14	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
22-Jan-14	22-Jan-14	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE. CALIBRATED AND CERTIFIED.
04-Aug-11	04-Aug-11	HMS (18910)	CERTIFIED
11-Mar-11	11-Mar-11	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED
10-Nov-09	10-Nov-09	NMJ (22392)	REPLACED TANK TOP LID, ADJUSTED AND TESTED SET SOLENOID, CERTIFIED.
20-Nov-08	20-Nov-08	DBH (21250)	CERTIFIED.
17-Nov-08	17-Nov-08	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
TLW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010506** Worksheet Start Date **2/18/2014**

Location **Powhatan CO SO**

Address **3880 Old Buckingham Rd Powhatan VA 23139**

DFS Technician **Donald Hall** License No. **21250**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **754** Reference Barometer (mm HG) **754**

Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.298
0.300	0.297	0.288	0.305	Sample 2	0.298
Precision		sample min	sample max	Sample 3	0.297
0.001		0.297	0.298		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) **AG227501-25**

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies

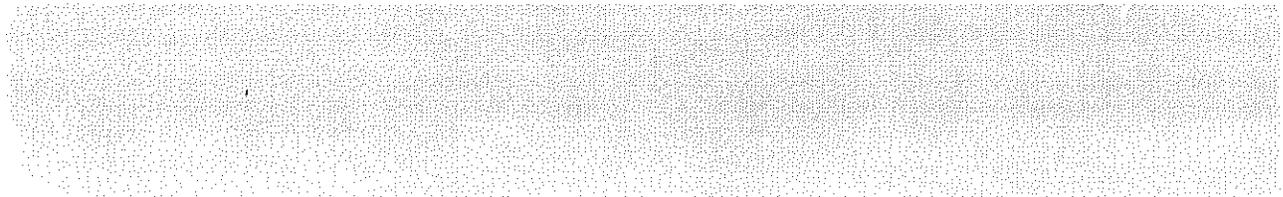
Mouthpieces **50**

Certificates of Analysis

Operator Worksheet **50**

Other:

Notes:



Instrument Serial Number

010506

Certification Date

2/18/2014

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	0.248	0.240	0.255	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	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

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

2/20/14

Issuing Analyst

[Signature]

Date

2/21/14

DBH
T/d

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010506 Test Number: 183
Test Date: 02/18/2014 Test Time: 11:16 EST

Technician Initials: DBH
Dry Gas Target: 0.248
Lot Number: 2961225012-09 Exp Date: 11/01/2014
Tank Pressure: 468 psi Barometric Pressure: 753 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:17
BLK	0.000	11:18
CHK	0.247	11:18
BLK	0.000	11:20
CHK	0.246	11:20
BLK	0.000	11:22
CHK	0.245	11:22
BLK	0.000	11:24

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: 010506 Test Number: 184
Test Date: 02/18/2014 Test Time: 11:27 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 95 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:27
BLK	0.000	11:28
CHK	0.148	11:29
BLK	0.000	11:30
CHK	0.148	11:31
BLK	0.000	11:32
CHK	0.148	11:33
BLK	0.000	11:34

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: 010506 Test Number: 185
Test Date: 02/18/2014 Test Time: 11:37 EST

Technician Initials: DBH

Dry Gas Target: 0.079

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

Tank Pressure: 575 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:37
BLK	0.000	11:38
CHK	0.079	11:39
BLK	0.000	11:40
CHK	0.079	11:40
BLK	0.000	11:42
CHK	0.079	11:42
BLK	0.000	11:44

Success

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

Certification Status: Continued

DBH
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010506 Test Number: 186
Test Date: 02/18/2014 Test Time: 11:47 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 556 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:47
BLK	0.000	11:48
CHK	0.019	11:49
BLK	0.000	11:50
CHK	0.019	11:51
BLK	0.000	11:52
CHK	0.019	11:53
BLK	0.000	11:54

Success

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

Certification Status: Success

DBH
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010506 Test Number: 187

Test Date: 02/18/2014 Test Time: 11:58 EST

Dry Gas Target: 0.297

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

Tank Pressure: 531 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:59
CHK	0.298	12:00
BLK	0.000	12:01
CHK	0.298	12:02
BLK	0.000	12:03
CHK	0.297	12:04

Test Status: Success

Calibration CRC: 66F24CE4

DBH
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010506 Test Number: 188

Test Date: 02/18/2014 Test Time: 12:07 EST

Dry Gas Target: 0.099

Lot Number: AG227501-25 Exp Date: 10/01/2014

Tank Pressure: 767 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:08
CHK	0.099	12:08
BLK	0.000	12:10
CHK	0.099	12:11
BLK	0.000	12:12
CHK	0.099	12:13

Test Status: Success

Calibration CRC: 66F24CE4

DBH
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
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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 02/18/2014
TEST EQUIPMENT NUMBER 010506		

RESULTS: TIME SAMPLE TAKEN 12:21 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 19 Feb 2014 at 17:23

JBH
TLW

Test Results

Instrument Serial Number 010506

Test # 000189 Subject Test

Test Location 1 Department of
Test Date 18 Feb 2014

Test Location 2 Forensic Science
Test Time 12:15
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
License Number 21250

Card Serial Number 121250

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 18 Feb 2014 End Time 12:22

Result Time 12:21

Result Date 18 Feb 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:15

Data Type BLK

Sample Value 0.000

Sample Time 12:16

Data Type CHK

Sample Value 0.099

Sample Time 12:17

Data Type BLK

Sample Value 0.000

Sample Time 12:18

Data Type SUBJ

Sample Value 0.000

Sample Time 12:19

Data Type BLK

Sample Value 0.000

Sample Time 12:20

Data Type SUBJ

Sample Value 0.000

Sample Time 12:21

Data Type BLK

Sample Value 0.000

Sample Time 12:22

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG227501-25

Standard Expiration Date 10/01/2014

Tank Pressure 757

Barometric Pressure 753 mmHg

Blow Sample Number 1 Blow Duration 3.62 sec

Blow Volume 1706 cc End-of-Blow Time 12:19

Blow Sample Number 2 Blow Duration 3.90 sec

Blow Volume 1856 cc End-of-Blow Time 12:21

Tamper Evident Stamp 865ebcf5

Test Status Code 0

Test Status Success