



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: 010554
CERTIFICATION DATE: January 27, 2014
DATE RECERTIFICATION DUE: July 26, 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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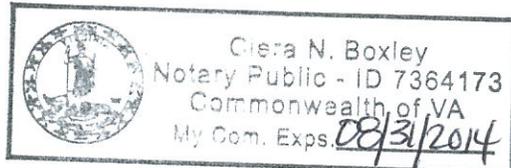
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 6th day of February, 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
TLW

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/28/2014**

Instrument Serial Number: 010554

As of 28-Jan-14

Maintenance Date	Certification Date	Technician Initials	Remarks
27-Jan-14	27-Jan-14	DBH (21250)	CERTIFIED.
19-Nov-13	07-Aug-13	MMB (26417)	REPLACED PRINTER RIBBON.
07-Aug-13	07-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Feb-13	20-Feb-13	DBH (21250)	CERTIFIED.
06-Sep-12	06-Sep-12	DBH (21250)	CERTIFIED.
20-Mar-12	20-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
16-Dec-11	16-Dec-11	HMS (18910)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED
26-Sep-11	26-Sep-11	DBH (21250)	CERTIFIED
11-Apr-11	11-Apr-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
26-Oct-10	26-Oct-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
16-Sep-10	10-May-10	DBH (21250)	REPLACED DRY GAS STANDARD
10-May-10	10-May-10	DBH (21250)	CERTIFIED
30-Nov-09	30-Nov-09	DBH (21250)	CERTIFIED
16-Jun-09	16-Jun-09	DBH (21250)	CERTIFIED.
06-Mar-09	06-Mar-09	DBH (21250)	CERTIFIED.
04-Mar-09	04-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
25-Dec-08	25-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
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INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010554** Worksheet Start Date **1/27/2014**

Location **Smithfield PD**

Address **913 S Church St Smithfield VA 23430**

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

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **752** 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	Sample 2	Sample 3
0.300	0.297	0.288	0.305	0.299	0.299	0.299
Precision		sample min	sample max			
0		0.299	0.299			

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

Dry gas standard Lot No. (with tank no.) **AG226201-30**

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

Supplies

Mouthpieces	50
Certificates of Analysis	100
Operator Worksheet	100
Other:	

Notes:

Instrument Serial Number

010554

Certification Date

1/27/2014

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	0.244
0.250	0.247	0.239	0.254	Sample 2	0.244
Precision		sample min	sample max	Sample 3	0.244
0		0.244	0.244		

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

1/28/14

Issuing Analyst

[Signature]

Date

1/31/14

max

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Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010554 Test Number: 925
Test Date: 01/27/2014 Test Time: 14:33 EST

Technician Initials: DBH

Dry Gas Target: 0.247

Lot Number: 2961225012-09 Exp Date: 11/01/2014
Tank Pressure: 556 psi Barometric Pressure: 752 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:34
BLK	0.000	14:35
CHK	0.244	14:35
BLK	0.000	14:37
CHK	0.244	14:38
BLK	0.000	14:40
CHK	0.244	14:40
BLK	0.000	14:42

Success

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

Certification Status: Continued

DBH
TLN

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010554 Test Number: 926
Test Date: 01/27/2014 Test Time: 14:45 EST

Technician Initials: DBH
Dry Gas Target: 0.149
Lot Number: 2951215012-03 Exp Date: 11/01/2014
Tank Pressure: 154 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:45
BLK	0.000	14:46
CHK	0.148	14:47
BLK	0.000	14:48
CHK	0.148	14:49
BLK	0.000	14:51
CHK	0.148	14:51
BLK	0.000	14:53

Success

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

Certification Status: Continued

DBH
TLW

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010554 Test Number: 927
Test Date: 01/27/2014 Test Time: 14:56 EST

Technician Initials: DBH
Dry Gas Target: 0.079
Lot Number: 07713080I2-01 Exp Date: 05/01/2015
Tank Pressure: 703 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:56
BLK	0.000	14:57
CHK	0.079	14:57
BLK	0.000	14:59
CHK	0.079	15:00
BLK	0.000	15:01
CHK	0.079	15:02
BLK	0.000	15:03

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLW

Department of Forensic Science

Serial Number: 010554 Test Number: 928
Test Date: 01/27/2014 Test Time: 15:05 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015
Tank Pressure: 639 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:06
BLK	0.000	15:07
CHK	0.019	15:07
BLK	0.000	15:09
CHK	0.019	15:09
BLK	0.000	15:11
CHK	0.019	15:11
BLK	0.000	15:13

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: 010554 Test Number: 929
Test Date: 01/27/2014 Test Time: 15:16 EST
Dry Gas Target: 0.297
Lot Number: AG322702-07 Exp Date: 08/15/2015
Tank Pressure: 144 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	15:16
CHK	0.299	15:17
BLK	0.000	15:19
CHK	0.299	15:20
BLK	0.000	15:22
CHK	0.299	15:23

Test Status: Success

Calibration CRC: 91E4234E

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010554 Test Number: 930

Test Date: 01/27/2014 Test Time: 15:26 EST

Dry Gas Target: 0.099

Lot Number: AG226201-30 Exp Date: 09/18/2014

Tank Pressure: 188 psi Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:26
CHK	0.100	15:27
BLK	0.000	15:29
CHK	0.100	15:29
BLK	0.000	15:31
CHK	0.100	15:32

Test Status: *Success*

Calibration CRC: 91E4234E

DBH
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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 01/27/2014
TEST EQUIPMENT NUMBER 010554		

RESULTS: TIME SAMPLE TAKEN 15:41 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 27 Jan 2014 at 17:50

DBH
TLW

Test Results

Instrument Serial Number 010554

Test # 000931 Subject Test

Test Location 1 Department of
Test Date 27 Jan 2014

Test Location 2 Forensic Science
Test Time 15:34
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 27 Jan 2014 End Time 15:42

Result Time 15:41

Result Date 27 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:35

Data Type BLK

Sample Value 0.000

Sample Time 15:35

Data Type CHK

Sample Value 0.099

Sample Time 15:36

Data Type BLK

Sample Value 0.000

Sample Time 15:38

Data Type SUBJ

Sample Value 0.000

Sample Time 15:38

Data Type BLK

Sample Value 0.000

Sample Time 15:39

Data Type SUBJ

Sample Value 0.000

Sample Time 15:41

Data Type BLK

Sample Value 0.000

Sample Time 15:42

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG226201-30

Standard Expiration Date 09/18/2014

Tank Pressure 178

Barometric Pressure 753 mmHg

Blow Sample Number 1 Blow Duration 3.66 sec

Blow Volume 2032 cc End-of-Blow Time 15:38

Blow Sample Number 2 Blow Duration 4.06 sec

Blow Volume 2310 cc End-of-Blow Time 15:41

Tamper Evident Stamp 885ad531

Test Status Code 0

Test Status Success