



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: 010616
CERTIFICATION DATE: February 4, 2014
DATE RECERTIFICATION DUE: August 3, 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.

Michelle Billeter

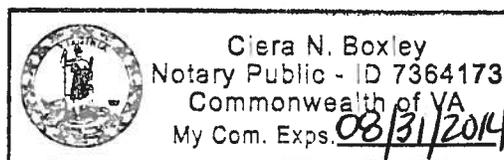
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 7th day of February, 2014 by Michelle M. Billeter

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



msk

DBH
MMB

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/5/2014**

Instrument Serial Number: 010616

As of 05-Feb-14

Maintenance Date	Certification Date	Technician Initials	Remarks
04-Feb-14	04-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Aug-13	23-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
08-Mar-13	08-Mar-13	MMB (26417)	CERTIFIED.
11-Sep-12	11-Sep-12	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED, REPLACED DRY GAS STANDARD.
30-Jul-12	10-Apr-12	DBH (21250)	REPLACED UPS.
10-Apr-12	10-Apr-12	HMS (18910)	CERTIFIED
03-Nov-11	03-Nov-11	TLN (25387)	CERTIFIED
23-May-11	23-May-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
07-Dec-10	07-Dec-10	DBH (21250)	CERTIFIED
29-Jun-10	29-Jun-10	RJP (22428)	CERTIFIED
04-Jun-10	07-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD
07-Jan-10	07-Jan-10	DBH (21250)	REPLACED GAS STANDARD O-RING, CERTIFIED
29-Jul-09	29-Jul-09	DBH (21250)	CERTIFIED.
15-Apr-09	15-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Jan-09	06-Jan-09	DBH (21250)	CERTIFIED.
01-Dec-08	01-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DSH
MMB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010616** Worksheet Start Date **2/4/2014**
 Location **King George CO SO**
 Address **10445 Government Center Blvd King George VA 22485**
 DFS Technician **Donald Hall** License No. **21250**
 Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **768** Reference Barometer (mm HG) **769**
 Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.304
0.300	0.303	0.293	0.312	Sample 2	0.304
Precision		sample min	sample max	Sample 3	0.304
0		0.304	0.304		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.101
0.100	0.101	0.097	0.104	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

Dry gas standard Lot No. (with tank no.) **AG332301-12**

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

Supplies
 Mouthpieces **50**
 Certificates of Analysis **50**
 Operator Worksheet **50**
 Other:

Notes:

[Redacted Notes Area]

Instrument Serial Number

010616

Certification Date

2/4/2014

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	0.249
0.250	0.253	0.245	0.260	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.249
0		0.249	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.152	0.147	0.156	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.081	0.078	0.084	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	0.020
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 Donald B Hall Date 2/5/14

Issuing Analyst Michelle Ballester Date 2/5/14
MSK

DBH
mmb

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 567

Test Date: 02/04/2014 Test Time: 10:35 EST

Technician Initials: DBH

Dry Gas Target: 0.253

Lot Number: 29612250I2-09 Exp Date: 11/01/2014

Tank Pressure: 526 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:35
BLK	0.000	10:36
CHK	0.249	10:37
BLK	0.000	10:38
CHK	0.249	10:39
BLK	0.000	10:40
CHK	0.249	10:41
BLK	0.000	10:43

Success

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

Certification Status: Continued

DBH
mmE

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010616 Test Number: 568
Test Date: 02/04/2014 Test Time: 10:45 EST

Technician Initials: DBH
Dry Gas Target: 0.152
Lot Number: 29512150I2-03 Exp Date: 11/01/2014
Tank Pressure: 134 psi Barometric Pressure: 768 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:46
BLK	0.000	10:47
CHK	0.151	10:47
BLK	0.000	10:49
CHK	0.151	10:50
BLK	0.000	10:51
CHK	0.151	10:52
BLK	0.000	10:53

Success

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

Certification Status: Continued

DBF
mmf

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 569
Test Date: 02/04/2014 Test Time: 10:56 EST

Technician Initials: DBH

Dry Gas Target: 0.081

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 664 psi Barometric Pressure: 768 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:56
BLK	0.000	10:57
CHK	0.081	10:58
BLK	0.000	10:59
CHK	0.081	11:00
BLK	0.000	11:01
CHK	0.081	11:02
BLK	0.000	11:03

Success

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

Certification Status: Continued

DBH
mmf

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010616 Test Number: 570

Test Date: 02/04/2014 Test Time: 11:06 EST

Technician Initials: DBH

Dry Gas Target: 0.020

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

Tank Pressure: 610 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:08
BLK	0.000	11:09
CHK	0.020	11:09
BLK	0.000	11:11
CHK	0.020	11:12
BLK	0.000	11:13
CHK	0.020	11:14
BLK	0.000	11:15

Success

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

Certification Status: Success

DBH
MMB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010616 Test Number: 571

Test Date: 02/04/2014 Test Time: 11:19 EST

Dry Gas Target: 0.303

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 120 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:20
CHK	0.304	11:20
BLK	0.000	11:22
CHK	0.304	11:23
BLK	0.000	11:25
CHK	0.304	11:26

Test Status: *Success*

Calibration CRC: E218AE08

DB,
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010616 Test Number: 572

Test Date: 02/04/2014 Test Time: 11:29 EST

Dry Gas Target: 0.101

Lot Number: AG332301-12 Exp Date: 11/19/2015

Tank Pressure: 1120 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:29
CHK	0.101	11:30
BLK	0.000	11:32
CHK	0.101	11:32
BLK	0.000	11:34
CHK	0.101	11:35

Test Status: *Success*

Calibration CRC: E218AE08

DBH
mmvB



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 02/04/2014
TEST EQUIPMENT NUMBER 010616		

RESULTS: TIME SAMPLE TAKEN 11:45 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 04 Feb 2014 at 15:40

DBH
MMB

Test Results

Instrument Serial Number 010616

Test # 000573 Subject Test

Test Location 1 Department of
Test Date 04 Feb 2014

Test Location 2 Forensic Science
Test Time 11:38
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 04 Feb 2014 End Time 11:46

Result Time 11:45

Result Date 04 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:39

Data Type BLK

Sample Value 0.000

Sample Time 11:40

Data Type CHK

Sample Value 0.101

Sample Time 11:40

Data Type BLK

Sample Value 0.000

Sample Time 11:42

Data Type SUBJ

Sample Value 0.000

Sample Time 11:43

Data Type BLK

Sample Value 0.000

Sample Time 11:44

Data Type SUBJ

Sample Value 0.000

Sample Time 11:45

Data Type BLK

Sample Value 0.000

Sample Time 11:46

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG332301-12

Standard Expiration Date 11/19/2015

Tank Pressure 1120

Barometric Pressure 767 mmHg

Blow Sample Number 1 Blow Duration 3.62 sec

Blow Volume 1723 cc End-of-Blow Time 11:43

Blow Sample Number 2 Blow Duration 4.23 sec

Blow Volume 2012 cc End-of-Blow Time 11:45

Tamper Evident Stamp 776cafa6

Test Status Code 0

Test Status Success