



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: 010654
CERTIFICATION DATE: February 6, 2014
DATE RECERTIFICATION DUE: August 5, 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
0.080 ± 0.004 g/210 L
0.150 ± 0.007 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.

Handwritten signature of Michelle M. Billeter

Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

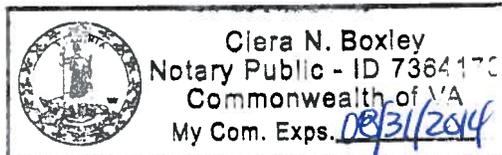
The foregoing was acknowledged before me this 18th day of February, 2014 by Michelle M. Billeter

Handwritten signature of Ciera N. Boxley

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 2/7/2014**

Instrument Serial Number: 010654 **As of 07-Feb-14**

Maintenance Date	Certification Date	Technician Initials	Remarks
06-Feb-14	06-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
21-Aug-13	21-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
08-Mar-13	08-Mar-13	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD. REPLACED PRINTER.
19-Sep-12	19-Sep-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Apr-12	09-Apr-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
03-Nov-11	03-Nov-11	TLN (25387)	CERTIFIED
24-May-11	24-May-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Dec-10	08-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Jun-10	29-Jun-10	RJP (22428)	CERTIFIED
16-Mar-10	16-Mar-10	DBH (21250)	CERTIFIED
07-Jan-10	07-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Jul-09	30-Jul-09	DBH (21250)	CERTIFIED.
17-Mar-09	17-Mar-09	DBH (21250)	CERTIFIED.
15-Mar-09	15-Mar-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
12-Mar-09	12-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
09-Feb-09	09-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
mmb

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010654 Worksheet Start Date 2/6/2014

Location Dahlgren NWSC

Address 17497 Dahlgren Rd Dahlgren VA 22448

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) 768

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

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.306
0.300	0.303	0.293	0.312	Sample 2	0.307
Precision		sample min	sample max	Sample 3	0.306
0.001		0.306	0.307		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.102
0.100	0.101	0.097	0.104	Sample 2	0.102
Precision		sample min	sample max	Sample 3	0.102
0		0.102	0.102		

Dry gas standard Lot No. (with tank no.) AG332301-11

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

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

[Redacted Notes Area]

Instrument Serial Number

010654

Certification Date

2/6/2014

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	0.253	0.245	0.260	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	0.152
0.150	0.152	0.147	0.156	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

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

2/7/14

Issuing Analyst

Michelle Bellefleur

Date

2/7/14

msk

Intox EC/IR-II: Certification

DBH
mmB

Department of Forensic Science

Serial Number: 010654 Test Number: 209
Test Date: 02/06/2014 Test Time: 13:50 EST

Technician Initials: DBH

Dry Gas Target: 0.253

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

Tank Pressure: 487 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:51
BLK	0.000	13:52
CHK	0.250	13:52
BLK	0.000	13:54
CHK	0.250	13:55
BLK	0.000	13:56
CHK	0.250	13:57
BLK	0.000	13:59

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
MMB

Department of Forensic Science

Serial Number: 010654 Test Number: 210

Test Date: 02/06/2014 Test Time: 14:02 EST

Technician Initials: DBH

Dry Gas Target: 0.152

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

Tank Pressure: 110 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:02
BLK	0.000	14:03
CHK	0.152	14:04
BLK	0.000	14:05
CHK	0.152	14:06
BLK	0.000	14:07
CHK	0.152	14:08
BLK	0.000	14:10

Success

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

Certification Status: Continued

DBH
MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010654 Test Number: 211

Test Date: 02/06/2014 Test Time: 14:13 EST

Technician Initials: DBH

Dry Gas Target: 0.081

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

Tank Pressure: 600 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:13
BLK	0.000	14:14
CHK	0.081	14:15
BLK	0.000	14:16
CHK	0.081	14:17
BLK	0.000	14:18
CHK	0.081	14:19
BLK	0.000	14:20

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
MMB

Department of Forensic Science

Serial Number: 010654 Test Number: 212

Test Date: 02/06/2014 Test Time: 14:23 EST

Technician Initials: DBH

Dry Gas Target: 0.020

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

Tank Pressure: 575 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:23
BLK	0.000	14:24
CHK	0.020	14:25
BLK	0.000	14:26
CHK	0.020	14:27
BLK	0.000	14:28
CHK	0.020	14:29
BLK	0.000	14:30

Success

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

Certification Status: Success

Intox EC/IR-11: Accuracy Check

DBH
mmB

Department of Forensic Science

Serial Number: 010654 Test Number: 213

Test Date: 02/06/2014 Test Time: 14:33 EST

Dry Gas Target: 0.303

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

Tank Pressure: 95 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:34
CHK	0.306	14:35
BLK	0.000	14:37
CHK	0.307	14:38
BLK	0.000	14:40
CHK	0.306	14:41

Test Status: *Success*

Calibration CRC: 76AE544A

Intox EC/IR-11: Accuracy Check

DSH
MMB

Department of Forensic Science

Serial Number: 010654 Test Number: 214

Test Date: 02/06/2014 Test Time: 14:44 EST

Dry Gas Target: 0.101

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

Tank Pressure: 1115 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:44
CHK	0.102	14:45
BLK	0.000	14:47
CHK	0.102	14:48
BLK	0.000	14:49
CHK	0.102	14:50

Test Status: *Success*

Calibration CRC: 76AE544A

DBH
mmB



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 02/06/2014
TEST EQUIPMENT NUMBER 010654		

RESULTS: TIME SAMPLE TAKEN 14:59 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 06 Feb 2014 at 16:48

DBH
MMB

Test Results

Instrument Serial Number 010654

Test # 000215 **Subject Test**

Test Location 1 Department of
Test Date 06 Feb 2014

Test Location 2 Forensic Science
Test Time 14:52
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 06 Feb 2014 **End Time** 15:00

Result Time 14:59

Result Date 06 Feb 2014 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:53

Data Type BLK

Sample Value 0.000

Sample Time 14:54

Data Type CHK

Sample Value 0.102

Sample Time 14:54

Data Type BLK

Sample Value 0.000

Sample Time 14:56

Data Type SUBJ

Sample Value 0.000

Sample Time 14:57

Data Type BLK

Sample Value 0.000

Sample Time 14:58

Data Type SUBJ

Sample Value 0.000

Sample Time 14:59

Data Type BLK

Sample Value 0.000

Sample Time 15:00

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG332301-11

Standard Expiration Date 11/19/2015

Tank Pressure 1115

Barometric Pressure 768 mmHg

Blow Sample Number 1 **Blow Duration** 3.41 sec

Blow Volume 1878 cc **End-of-Blow Time** 14:57

Blow Sample Number 2 **Blow Duration** 3.41 sec

Blow Volume 2177 cc **End-of-Blow Time** 14:59

Tamper Evident Stamp d0446637

Test Status Code 0

Test Status Success