



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: 010585
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 0.150 ± 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.

Handwritten signature of Michelle M. Billeter

Michelle M. Billeter
Forensic Scientist

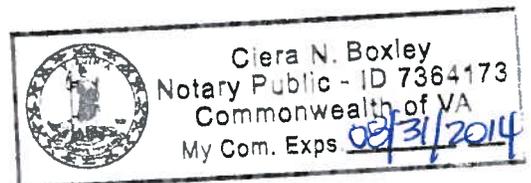
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

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: 010585

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)	CERTIFIED. REPLACED DRY GAS STANDARD.
15-Jul-13	15-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
08-Mar-13	08-Mar-13	MMB (26417)	CERTIFIED.
20-Nov-12	20-Nov-12	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME BUILDING. FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
19-Sep-12	19-Sep-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Apr-12	09-Apr-12	HMS (18910)	CERTIFIED
03-Nov-11	03-Nov-11	TLN (25387)	CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
24-May-11	24-May-11	DBH (21250)	CERTIFIED
08-Dec-10	08-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Jun-10	29-Jun-10	RJP (22428)	CERTIFIED
07-Jan-10	07-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Aug-09	19-Aug-09	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED.
30-Jul-09	30-Jul-09	DBH (21250)	CERTIFIED.
06-Mar-09	06-Mar-09	NMJ (22392)	CERTIFIED.
04-Mar-09	04-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
04-Feb-09	04-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
mmb

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010585** Worksheet Start Date **2/6/2014**

Location **Colonial Beach PD**

Address **907 McKinney Blvd Colonial Beach VA 22443**

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) **770**

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	0.303	0.293	0.312	0.305	0.305	0.305
Precision		sample min	sample max			
0		0.305	0.305			

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

Dry gas standard Lot No. (with tank no.) **AG332301-10**

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

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

Notes:

[Large blank area for notes]

Instrument Serial Number

010585

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	0.252	0.244	0.259	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.151	0.146	0.155	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 2/7/14

Issuing Analyst Michelle Belletier Date 2/7/14
msk

DBH
mmb

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010585 Test Number: 366
Test Date: 02/06/2014 Test Time: 11:35 EST

Technician Initials: DBH
Dry Gas Target: 0.252
Lot Number: 2961225012-09 Exp Date: 11/01/2014
Tank Pressure: 507 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:35
BLK	0.000	11:36
CHK	0.250	11:37
BLK	0.000	11:39
CHK	0.250	11:40
BLK	0.000	11:41
CHK	0.249	11:42
BLK	0.000	11:44

Success

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

Certification Status: Continued

DBH
mmB

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010585 Test Number: 367
Test Date: 02/06/2014 Test Time: 11:47 EST

Technician Initials: DBH

Dry Gas Target: 0.151

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

Tank Pressure: 125 psi Barometric Pressure: 767 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:47
BLK	0.000	11:48
CHK	0.151	11:48
BLK	0.000	11:50
CHK	0.151	11:51
BLK	0.000	11:52
CHK	0.151	11:53
BLK	0.000	11:55

Success

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

Certification Status: Continued

DBH
MMB

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010585 Test Number: 368
Test Date: 02/06/2014 Test Time: 11:58 EST

Technician Initials: DBH
Dry Gas Target: 0.081

Lot Number: 0771308012-01 Exp Date: 05/01/2015
Tank Pressure: 620 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:59
BLK	0.000	12:00
CHK	0.081	12:00
BLK	0.000	12:02
CHK	0.081	12:03
BLK	0.000	12:04
CHK	0.081	12:05
BLK	0.000	12:06

Success

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

Certification Status: Continued

DBH
MMB

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010585 Test Number: 369
Test Date: 02/06/2014 Test Time: 12:09 EST

Technician Initials: DBH
Dry Gas Target: 0.020
Lot Number: 0771302011-02 Exp Date: 05/01/2015
Tank Pressure: 590 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:09
BLK	0.000	12:10
CHK	0.020	12:11
BLK	0.000	12:12
CHK	0.020	12:13
BLK	0.000	12:14
CHK	0.020	12:15
BLK	0.000	12:16

Success

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

Certification Status: Success

DBH
MMB

Intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010585 Test Number: 370

Test Date: 02/06/2014 Test Time: 12:19 EST

Dry Gas Target: 0.303

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

Tank Pressure: 105 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:19
CHK	0.305	12:20
BLK	0.000	12:22
CHK	0.305	12:23
BLK	0.000	12:25
CHK	0.305	12:26

Test Status: *Success*

Calibration CRC: 44D5EEFD

DBH
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010585 Test Number: 371

Test Date: 02/06/2014 Test Time: 12:28 EST

Dry Gas Target: 0.101

Lot Number: AG332301-10 Exp Date: 11/19/2015

Tank Pressure: 1115 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:30
CHK	0.101	12:30
BLK	0.000	12:32
CHK	0.101	12:33
BLK	0.000	12:34
CHK	0.101	12:35

Test Status: *Success*

Calibration CRC: 44D5EEFD

BH
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 010585	[REDACTED]	

RESULTS: TIME SAMPLE TAKEN 12:44 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
AMB

Test Results

Instrument Serial Number 010585

Test # 000372 Subject Test

Test Location 1 Department of
Test Date 06 Feb 2014

Test Location 2 Forensic Science
Test Time 12:38
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 06 Feb 2014 **End Time** 12:45

Result Time 12:44

Result Date 06 Feb 2014 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:38

Data Type BLK

Sample Value 0.000

Sample Time 12:39

Data Type CHK

Sample Value 0.101

Sample Time 12:39

Data Type BLK

Sample Value 0.000

Sample Time 12:41

Data Type SUBJ

Sample Value 0.000

Sample Time 12:42

Data Type BLK

Sample Value 0.000

Sample Time 12:43

Data Type SUBJ

Sample Value 0.000

Sample Time 12:44

Data Type BLK

Sample Value 0.000

Sample Time 12:45

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG332301-10

Standard Expiration Date 11/19/2015

Tank Pressure 1115

Barometric Pressure 767 mmHg

Blow Sample Number 1 **Blow Duration** 3.54 sec

Blow Volume 2038 cc **End-of-Blow Time** 12:42

Blow Sample Number 2 **Blow Duration** 3.43 sec

Blow Volume 1957 cc **End-of-Blow Time** 12:44

Tamper Evident Stamp 8a6d6e58

Test Status Code 0

Test Status Success