



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: 010448
CERTIFICATION DATE: February 25, 2014
DATE RECERTIFICATION DUE: August 24, 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 Sarah E. Dersch
Sarah E. Dersch
Forensic Scientist

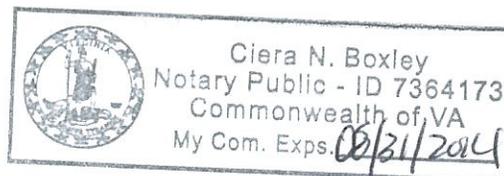
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 28th day of February, 2014 by Sarah E. Dersch

Handwritten signature of Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

Handwritten initials mmb



DBH
SD

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/25/2014**

Instrument Serial Number: 010448

As of 25-Feb-14

Maintenance Date	Certification Date	Technician Initials	Remarks
25-Feb-14	25-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
12-Sep-13	12-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
03-Apr-13	03-Apr-13	DBH (21250)	CERTIFIED.
18-Oct-12	18-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
02-May-12	02-May-12	SED (24178)	CERTIFIED.
20-Mar-12	20-Mar-12	DBH (21250)	CERTIFIED
26-Sep-11	26-Sep-11	DBH (21250)	CERTIFIED
02-Sep-11	11-Apr-11	DBH (21250)	REPLACED DRY GAS STANDARD
11-Apr-11	11-Apr-11	DBH (21250)	CERTIFIED
25-Oct-10	25-Oct-10	DBH (21250)	CERTIFIED
10-May-10	10-May-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Nov-09	30-Nov-09	DBH (21250)	CERTIFIED
16-Jun-09	16-Jun-09	DBH (21250)	CERTIFIED.
02-Apr-09	02-Apr-09	DBH (21250)	CERTIFIED.
04-Mar-09	04-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Dec-08	12-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

god

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010448** Worksheet Start Date **2/25/2014**
 Location **Newport News PD North**
 Address **368 Deshazor Dr Newport News VA 23608**
 DFS Technician **Donald Hall** License No. **21250**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **762** Reference Barometer (mm HG) **762**
 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	0.301	0.291	0.310	Sample 2	0.306
Precision		sample min	sample max	Sample 3	0.305
0.001		0.305	0.306		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.101
0.100	0.100	0.097	0.103	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.) **AG400202-44**

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies
 Mouthpieces **100**
 Certificates of Analysis **100**
 Operator Worksheet **50**
 Other:

Notes:

[Large shaded area for notes]

Instrument Serial Number

010448

Certification Date

2/25/2014

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	0.251	0.243	0.258	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	0.150	0.145	0.154	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	0.080	0.077	0.083	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	0.019
Precision		sample min	sample max	Sample 3	0.020
0.001		0.019	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

2/25/14

Issuing Analyst

Jed

Date

2/27/14

mmB

DBH

SW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010448 Test Number: 1222
Test Date: 02/25/2014 Test Time: 10:42 EST

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 29612250I2-09 Exp Date: 11/01/2014
Tank Pressure: 404 psi Barometric Pressure: 762 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:42
BLK	0.000	10:43
CHK	0.250	10:44
BLK	0.000	10:45
CHK	0.250	10:46
BLK	0.000	10:48
CHK	0.250	10:48
BLK	0.000	10:50

Success

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

Certification Status: Continued

DBH

SL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010448 Test Number: 1223
Test Date: 02/25/2014 Test Time: 10:52 EST

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 29512150I2-03 Exp Date: 11/01/2014

Tank Pressure: 56 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:53
BLK	0.000	10:53
CHK	0.152	10:54
BLK	0.000	10:55
CHK	0.152	10:56
BLK	0.000	10:57
CHK	0.152	10:58
BLK	0.000	11:00

Success

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

Certification Status: Continued

DBH
Jed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010448 Test Number: 1224
Test Date: 02/25/2014 Test Time: 11:02 EST

Technician Initials: DBH

Dry Gas Target: 0.080

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

Tank Pressure: 473 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:03
BLK	0.000	11:04
CHK	0.081	11:04
BLK	0.000	11:06
CHK	0.081	11:06
BLK	0.000	11:08
CHK	0.081	11:08
BLK	0.000	11:10

Success

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

Certification Status: Continued

DBH
SK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010448 Test Number: 1225
Test Date: 02/25/2014 Test Time: 11:12 EST

Technician Initials: DBH

Dry Gas Target: 0.020

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

Tank Pressure: 482 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:13
CHK	0.020	11:14
BLK	0.000	11:15
CHK	0.019	11:16
BLK	0.000	11:17
CHK	0.020	11:18
BLK	0.000	11:19

Success

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

Certification Status: Success

DBH
Jed

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010448 Test Number: 1226
Test Date: 02/25/2014 Test Time: 11:22 EST
Dry Gas Target: 0.301

Lot Number: AG322702-06 Exp Date: 08/15/2015
Tank Pressure: 448 psi Barometric Pressure: 762 mmHg
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:22
CHK	0.306	11:23
BLK	0.000	11:25
CHK	0.306	11:26
BLK	0.000	11:28
CHK	0.305	11:29

Test Status: *Success*

Calibration CRC: 0845FB38

DBH
Jed

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010448 Test Number: 1227

Test Date: 02/25/2014 Test Time: 11:32 EST

Dry Gas Target: 0.100

Lot Number: AG400202-44 Exp Date: 01/02/2016

Tank Pressure: 1120 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:32
CHK	0.101	11:33
BLK	0.000	11:35
CHK	0.101	11:35
BLK	0.000	11:37
CHK	0.101	11:38

Test Status: *Success*

Calibration CRC: 0845FB38

DBH
Jed



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
---------------------------------------------	-----------------------------

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 02/25/2014
TEST EQUIPMENT NUMBER 010448		

RESULTS: TIME SAMPLE TAKEN **11:47 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 25 Feb 2014 at 16:31

DBH
Sed

Test Results

Instrument Serial Number 010448

Test # 001228 **Subject Test**

Test Location 1 Department of
Test Date 25 Feb 2014

Test Location 2 Forensic Science
Test Time 11:41
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 25 Feb 2014 End Time 11:48

Result Time 11:47

Result Date 25 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:41

Data Type BLK

Sample Value 0.000

Sample Time 11:42

Data Type CHK

Sample Value 0.101

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

Data Type SUBJ

Sample Value 0.000

Sample Time 11:47

Data Type BLK

Sample Value 0.000

Sample Time 11:48

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-44

Standard Expiration Date 01/02/2016

Tank Pressure 1120

Barometric Pressure 762 mmHg

Blow Sample Number 1 Blow Duration 3.38 sec

Blow Volume 1925 cc End-of-Blow Time 11:45

Blow Sample Number 2 Blow Duration 3.51 sec

Blow Volume 1928 cc End-of-Blow Time 11:47

Tamper Evident Stamp cf32c57c

Test Status Code 0

Test Status Success