



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: 010626

CERTIFICATION DATE: January 8, 2014

DATE RECERTIFICATION DUE: July 7, 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.

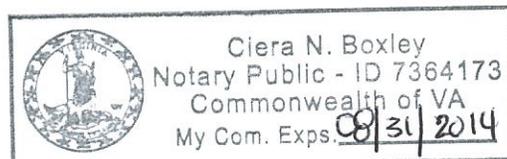
Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 24th day of January, 2014 by Sarah E. Dersch

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



NSK

DBH
Jed

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/9/2014**

Instrument Serial Number: 010626

As of 09-Jan-14

Maintenance Date	Certification Date	Technician Initials	Remarks
08-Jan-14	08-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Jul-13	23-Jul-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
05-Feb-13	05-Feb-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
21-Aug-12	21-Aug-12	HMS (18910)	CERTIFIED
29-Feb-12	29-Feb-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Sep-11	08-Sep-11	DBH (21250)	CERTIFIED
29-Mar-11	29-Mar-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
28-Feb-11	28-Feb-11	RJP (22428)	INSTRUMENT RELOCATED TO NEW FACILITY. CERTIFIED.
13-Oct-10	13-Oct-10	RJP (22428)	CERTIFIED.
27-Apr-10	27-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
03-Nov-09	03-Nov-09	RJP (22428)	CERTIFIED
19-May-09	19-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
03-Dec-08	03-Dec-08	RJP (22428)	CERTIFIED.
24-Nov-08	24-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
Fred

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010626 Worksheet Start Date: 1/8/2014

Location: Patrick CO SO

Address: 742 Commerce St Stuart VA 24171

DFS Technician: Donald Hall License No.: 21250

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 739 Reference Barometer (mm HG): 742

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

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.300	0.292	0.283	0.300	0.291
Precision		sample min	sample max	Sample 2
0.001		0.290	0.291	0.291
				Sample 3
				0.290

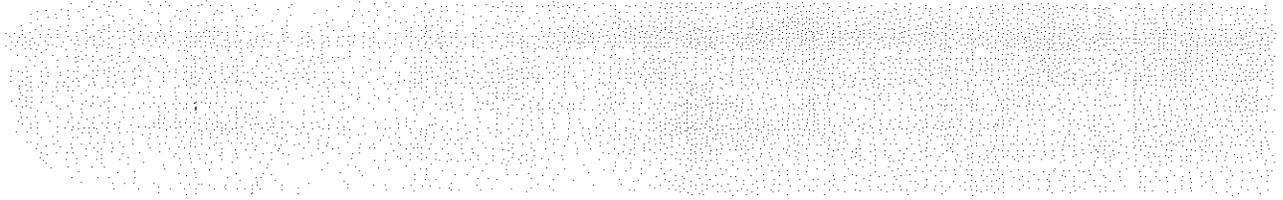
Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.100	0.097	0.094	0.100	0.096
Precision		sample min	sample max	Sample 2
0		0.096	0.096	0.096
				Sample 3
				0.096

Dry gas standard Lot No. (with tank no.): AG217702-20

- Replaced dry gas standard (+O-ring)
 - Installed at Location
 - Removed to DFS-Central
- Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:



Instrument Serial Number

010626

Certification Date

1/8/2014

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	0.239
0.250	0.243	0.235	0.250	Sample 2	0.238
Precision		sample min	sample max	Sample 3	0.238
0.001		0.238	0.239		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.144
0.150	0.146	0.141	0.150	Sample 2	0.144
Precision		sample min	sample max	Sample 3	0.144
0		0.144	0.144		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.019	0.016	0.022	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

1/9/14

Issuing Analyst

gud
msk

Date

1/16/14

Intox EC/IR-II: Certification

DBH
Sed

Department of Forensic Science

Serial Number: 010626 Test Number: 417
Test Date: 01/08/2014 Test Time: 12:19 EST

Technician Initials: DBH

Dry Gas Target: 0.243

Lot Number: 2961225012-09 Exp Date: 11/01/2014
Tank Pressure: 629 psi Barometric Pressure: 739 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:19
BLK	0.000	12:20
CHK	0.239	12:21
BLK	0.000	12:23
CHK	0.238	12:24
BLK	0.000	12:25
CHK	0.238	12:26
BLK	0.000	12:28

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
Sed

Department of Forensic Science

Serial Number: 010626 Test Number: 418
Test Date: 01/08/2014 Test Time: 12:30 EST

Technician Initials: DBH

Dry Gas Target: 0.146

Lot Number: 2951215012-03 Exp Date: 11/01/2014
Tank Pressure: 242 psi Barometric Pressure: 739 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:31
BLK	0.000	12:32
CHK	0.144	12:33
BLK	0.000	12:34
CHK	0.144	12:35
BLK	0.000	12:36
CHK	0.144	12:37
BLK	0.000	12:39

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
Fred

Department of Forensic Science

Serial Number: 010626 Test Number: 419
Test Date: 01/08/2014 Test Time: 12:41 EST

Technician Initials: DBH

Dry Gas Target: 0.078

Lot Number: 0771308012-01 Exp Date: 05/01/2015
Tank Pressure: 825 psi Barometric Pressure: 739 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:42
BLK	0.000	12:43
CHK	0.077	12:43
BLK	0.000	12:45
CHK	0.077	12:45
BLK	0.000	12:47
CHK	0.077	12:48
BLK	0.000	12:49

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
Jed

Department of Forensic Science

Serial Number: 010626 Test Number: 420
Test Date: 01/08/2014 Test Time: 12:51 EST

Technician Initials: DBH

Dry Gas Target: 0.019

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

Tank Pressure: 723 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:51
BLK	0.000	12:52
CHK	0.019	12:53
BLK	0.000	12:54
CHK	0.019	12:55
BLK	0.000	12:56
CHK	0.019	12:57
BLK	0.000	12:58

Success

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

Certification Status: Success

Intox EC/IR-II: Accuracy Check

DBH
Sed

Department of Forensic Science

Serial Number: 010626 Test Number: 421

Test Date: 01/08/2014 Test Time: 13:01 EST

Dry Gas Target: 0.292

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

Tank Pressure: 203 psi Barometric Pressure: 739 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:02
CHK	0.291	13:03
BLK	0.000	13:04
CHK	0.291	13:05
BLK	0.000	13:07
CHK	0.290	13:08

Test Status: *Success*

Calibration CRC: A6B9F496

IBH
jed

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010626 Test Number: 422

Test Date: 01/08/2014 Test Time: 13:10 EST

Dry Gas Target: 0.097

Lot Number: AG217702-20 Exp Date: 06/25/2014

Tank Pressure: 237 psi Barometric Pressure: 738 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:10
CHK	0.096	13:11
BLK	0.000	13:13
CHK	0.096	13:14
BLK	0.000	13:15
CHK	0.096	13:16

Test Status: *Success*

Calibration CRC: A6B9F496

DBH
Jrd



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 01/08/2014
TEST EQUIPMENT NUMBER 010626		

13:25 EST

RESULTS: TIME SAMPLE TAKEN 0.00

SAMPLE'S ALCOHOL CONTENT _____ 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



InfoxNet MIS Report

Report Generated 09 Jan 2014 at 10:05

DBH
1/16/14
gd

Test Results

Instrument Serial Number 010626

Test # 000423 Subject Test

Test Location 1 Department of
Test Date 08 Jan 2014

Test Location 2 Forensic Science
Test Time 13:19
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 08 Jan 2014 End Time 13:26

Result Time 13:25

Result Date 08 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:19

Data Type BLK

Sample Value 0.000

Sample Time 13:20

Data Type CHK

Sample Value 0.096

Sample Time 13:21

Data Type BLK

Sample Value 0.000

Sample Time 13:22

Data Type SUBJ

Sample Value 0.000

Sample Time 13:23

Data Type BLK

Sample Value 0.000

Sample Time 13:24

Data Type SUBJ

Sample Value 0.000

Sample Time 13:25

Data Type BLK

Sample Value 0.000

Sample Time 13:26

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG217702-20

Standard Expiration Date 06/25/2014

Tank Pressure 232

Barometric Pressure 738 mmHg

Blow Sample Number 1 Blow Duration 3.73 sec

Blow Volume 1988 cc End-of-Blow Time 13:23

Blow Sample Number 2 Blow Duration 3.58 sec

Blow Volume 1916 cc End-of-Blow Time 13:25

Tamper Evident Stamp 25b8c07

Test Status Code 0

Test Status Success