



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010661
DATE CERTIFICATION METHOD PERFORMED: July 22, 2015
DATE RECERTIFICATION DUE: January 18, 2016

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 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.008 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

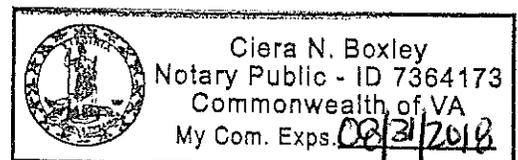
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 23rd day of July, 2015 by Michelle M. Billeter

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

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
7/22/2014 To 7/23/2015

DBH

mmb

Instrument Serial Number: 010661

As of 23-Jul-15

Maintenance Date	Certification Date	Technician Initials	Remarks
22-Jul-15	22-Jul-15	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
12-Feb-15	12-Feb-15	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Sep-14	09-Sep-14	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED, REPLACED DRY GAS STANDARD.

DB/H
mmB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010661 Worksheet Start Date 7/22/2015
 Location Norfolk Naval Shipyard
 Address Building 1618 Norfolk Naval Shipyard VA 23709
 DFS Technician Donald Hall License No. 21250
 Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) 757 Reference Barometer (mm HG) 758
 Reference Barometer(RB)Serial # 009111 RB Calibration Due 5/18/2016

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.299
0.300	0.299	0.290	0.307	Sample 2	0.299
Precision		sample min	sample max	Sample 3	0.299
0		0.299	0.299		

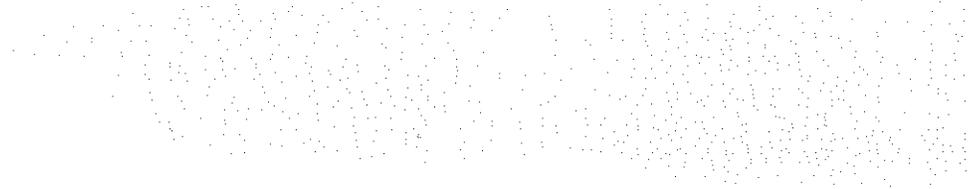
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) AG407801-01

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

Supplies
 Mouthpieces 25
 Certificates of Analysis 100
 Operator Worksheet
 Other:

Notes:



Instrument Serial Number

010661

Certification Date

7/22/2015

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	0.248
0.250	0.249	0.241	0.256	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.248
0		0.248	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.149	0.144	0.153	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0.001		0.079	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	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

7/23/15

Issuing Analyst

Michele Buller

Date

7/23/15

TLW

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	NAME OF COURT
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INSTRUMENT, TEST,
BREATH ANALYSIS

DFS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
DFS LICENSE NUMBER HALL, DONALD, E	LICENSE EXPIRES	DATE TEST CONDUCTED DFS Central Lab
TEST EQUIPMENT NUMBER 21250	10/01/2016	

010661

02/12/2015

RESULTS: TIME SAMPLE TAKEN _____

12:57 EDT

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

0.00

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 22 Jul 2015 at 14:44

Handwritten initials: *WJ*
DBH

Handwritten initials: *mmB*

Test Results

Instrument Serial Number 010661

Test # 000192 Subject Test

Test Location 1 Department of
Test Date 22 Jul 2015

Test Location 2 Forensic Science
Test Time 12:50
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 10/01/2014

Expiration Date 10/01/2016

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 22 Jul 2015 End Time 12:58

Result Time 12:57

Result Date 22 Jul 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:51

Data Type BLK

Sample Value 0.000

Sample Time 12:51

Data Type CHK

Sample Value 0.100

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type SUBJ

Sample Value 0.000

Sample Time 12:54

Data Type BLK

Sample Value 0.000

Sample Time 12:55

Data Type SUBJ

Sample Value 0.000

Sample Time 12:57

Data Type BLK

Sample Value 0.000

Sample Time 12:58

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG419702-54

Standard Expiration Date 07/16/2016

Tank Pressure 149

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.22 sec

Blow Volume 1971 cc End-of-Blow Time 12:54

Blow Sample Number 2 Blow Duration 3.33 sec

Blow Volume 1844 cc End-of-Blow Time 12:57

Tamper Evident Stamp 6db20086

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

MMB

Serial Number: 010661 Test Number: 193

Test Date: 07/22/2015 Test Time: 13:01 EDT

Dry Gas Target: 0.100

Lot Number: AG419702-54 Exp Date: 07/16/2016

Tank Pressure: 149 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:01
CHK	0.100	13:02
BLK	0.000	13:04
CHK	0.101	13:05
BLK	0.000	13:06
CHK	0.101	13:07

Test Status: *Success*

Calibration CRC: FF9AA030

DBH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

MMB

Serial Number: 010661 Test Number: 194

Test Date: 07/22/2015 Test Time: 13:10 EDT

Dry Gas Target: 0.299

Lot Number: AG506501-07 Exp Date: 03/06/2017

Tank Pressure: 321 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:10
CHK	0.301	13:11
BLK	0.000	13:13
CHK	0.301	13:14
BLK	0.000	13:16
CHK	0.301	13:17

Test Status: *Success*

Calibration CRC: FF9AA030

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

mmB

Serial Number: 010661 Test Number: 195
Test Date: 07/22/2015 Test Time: 13:20 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 16114250I4-01 Exp Date: 07/05/2016

Tank Pressure: 223 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:20
BLK	0.000	13:21
CHK	0.248	13:22
BLK	0.000	13:24
CHK	0.248	13:25
BLK	0.000	13:26
CHK	0.248	13:28
BLK	0.000	13:29

Success

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

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 196 *mmB*
Test Date: 07/22/2015 Test Time: 13:31 EDT

Technician Initials: *DBH*

Dry Gas Target: *0.149*

Lot Number: *16114150I3-04* Exp Date: *07/05/2016*

Tank Pressure: *600 psi* Barometric Pressure: *757 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:32
BLK	0.000	13:33
CHK	0.149	13:33
BLK	0.000	13:35
CHK	0.149	13:36
BLK	0.000	13:37
CHK	0.149	13:38
BLK	0.000	13:40

Success

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

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 197
Test Date: 07/22/2015 Test Time: 13:43 EDT

MmB

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 16114080I2-03 Exp Date: 07/05/2016

Tank Pressure: 541 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:43
BLK	0.000	13:44
CHK	0.079	13:45
BLK	0.000	13:46
CHK	0.080	13:47
BLK	0.000	13:48
CHK	0.080	13:49
BLK	0.000	13:51

Success

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

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 198
Test Date: 07/22/2015 Test Time: 13:54 EDT

mmb

Technician Initials: *DBH*
Dry Gas Target: *0.020*

Lot Number: *1611402011-02* Exp Date: *07/05/2016*
Tank Pressure: *727 psi* Barometric Pressure: *757 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:54
BLK	0.000	13:55
CHK	0.019	13:55
BLK	0.000	13:57
CHK	0.019	13:57
BLK	0.000	13:59
CHK	0.019	14:00
BLK	0.000	14:01

Success

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

Certification Status: Success

DBH

Intox EC/IR-II: Accuracy Check

MMB

Department of Forensic Science

Serial Number: 010661 Test Number: 199

Test Date: 07/22/2015 Test Time: 14:04 EDT

Dry Gas Target: 0.299

Lot Number: AG506501-07 Exp Date: 03/06/2017

Tank Pressure: 311 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:05
CHK	0.299	14:05
BLK	0.000	14:07
CHK	0.299	14:08
BLK	0.000	14:10
CHK	0.299	14:11

Test Status: *Success*

Calibration CRC: FF9AA030

DBH

Intox EC/IR-II: Accuracy Check

MMB

Department of Forensic Science

Serial Number: 010661 Test Number: 200
Test Date: 07/22/2015 Test Time: 14:15 EDT
Dry Gas Target: 0.100
Lot Number: AG407801-01 Exp Date: 03/19/2016
Tank Pressure: 242 psi Barometric Pressure: 757 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	14:15
CHK	0.099	14:16
BLK	0.000	14:18
CHK	0.099	14:19
BLK	0.000	14:20
CHK	0.099	14:21

Test Status: Success

Calibration CRC: FF9AA030

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 10/01/2016	DATE TEST CONDUCTED 07/22/2015
TEST EQUIPMENT NUMBER 010651	[REDACTED]	

RESULTS: TIME SAMPLE TAKEN 14:32 EDT

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 22 Jul 2015 at 14:44

*Sid
DBH
mmB*

Test Results

Instrument Serial Number 010661

Test # 000201 Subject Test

Test Location 1 Department of
Test Date 22 Jul 2015

Test Location 2 Forensic Science
Test Time 14:25
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 10/01/2014

Expiration Date 10/01/2016

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 22 Jul 2015 End Time 14:33

Result Time 14:32

Result Date 22 Jul 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:25

Data Type BLK

Sample Value 0.000

Sample Time 14:26

Data Type CHK

Sample Value 0.098

Sample Time 14:27

Data Type BLK

Sample Value 0.000

Sample Time 14:29

Data Type SUBJ

Sample Value 0.000

Sample Time 14:29

Data Type BLK

Sample Value 0.000

Sample Time 14:30

Data Type SUBJ

Sample Value 0.000

Sample Time 14:32

Data Type BLK

Sample Value 0.000

Sample Time 14:33

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG407801-01

Standard Expiration Date 03/19/2016

Tank Pressure 237

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.37 sec

Blow Volume 1895 cc End-of-Blow Time 14:29

Blow Sample Number 2 Blow Duration 3.79 sec

Blow Volume 2108 cc End-of-Blow Time 14:32

Tamper Evident Stamp 2fb97d9f

Test Status Code 0

Test Status Success