



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: 010658
DATE CERTIFICATION METHOD PERFORMED: April 21, 2015
DATE RECERTIFICATION DUE: October 18, 2015

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.

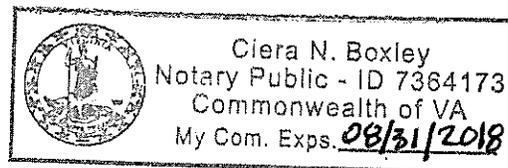
Handwritten signature of Sarah E. Dersch
Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 24th day of April, 2015 by Sarah E. Dersch

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
4/21/2014 To 4/21/2015

HMS
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Instrument Serial Number: 010658

As of 23-Apr-15

Maintenance Date	Certification Date	Technician Initials	Remarks
21-Apr-15	21-Apr-15	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED
19-Nov-14	19-Nov-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
18-Jun-14	18-Jun-14	SED (24178)	CERTIFIED.

INTOX EC/IR II Quality Assurance Worksheet

Handwritten initials/signature

Instrument Serial Number: 010658 Worksheet Start Date: 4/21/2015

Location: Norfolk Naval Base

Address: 1957 Taussig Blvd., Norfolk, VA 23511

DFS Technician: Heather Stanton License No.: 18910

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 757 Reference Barometer (mm HG): 764

Reference Barometer(RB)Serial #: 009111 RB Calibration Due: 5/19/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.300
0.300	0.302	0.292	0.311	Sample 2	0.301
Precision		sample min	sample max	Sample 3	0.300
0.001		0.300	0.301		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.101	0.097	0.104	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.) AG425201-30

Replaced dry gas standard (+O-ring)

Installed at Location

Removed to DFS-Central

Supplies
Mouthpieces 50
Certificates of Analysis 50
Operator Worksheet
Other:

Notes:

Replaced UPS back-up battery.

Instrument Serial Number

010658

Certification Date

4/21/2015

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	0.250
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	0.150
0.150	0.151	0.146	0.155	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

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

Heath W Stark

Date

4/23/15

Issuing Analyst

[Signature]
JPD

Date

4/23/15

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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 STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 04/21/2015
TEST EQUIPMENT NUMBER 010658		

RESULTS: TIME SAMPLE TAKEN 10:47 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

Replaced UPS back-up battery
HMS
4/21/15

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 23 Apr 2015 at 08:05

Handwritten initials/signature

Test Results

Instrument Serial Number 010658

Test # 000595 Subject Test

Test Location 1 Department of
Test Date 21 Apr 2015

Test Location 2 Forensic Science
Test Time 10:40
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

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 21 Apr 2015 End Time 10:48

Result Time 10:47

Result Date 21 Apr 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:41

Data Type BLK

Sample Value 0.000

Sample Time 10:41

Data Type CHK

Sample Value 0.101

Sample Time 10:42

Data Type BLK

Sample Value 0.000

Sample Time 10:43

Data Type SUBJ

Sample Value 0.000

Sample Time 10:44

Data Type BLK

Sample Value 0.000

Sample Time 10:45

Data Type SUBJ

Sample Value 0.000

Sample Time 10:47

Data Type BLK

Sample Value 0.000

Sample Time 10:48

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG425201-30

Standard Expiration Date 09/09/2016

Tank Pressure 963

Barometric Pressure 764 mmHg

Blow Sample Number 1 Blow Duration 3.50 sec

Blow Volume 1751 cc End-of-Blow Time 10:44

Blow Sample Number 2 Blow Duration 3.39 sec

Blow Volume 1743 cc End-of-Blow Time 10:47

Tamper Evident Stamp 5187791c

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

MS

Department of Forensic Science

Serial Number: 010658 Test Number: 596

Test Date: 04/21/2015 Test Time: 10:49 EDT

Dry Gas Target: 0.101

Lot Number: AG425201-30 Exp Date: 09/09/2016

Tank Pressure: 958 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

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Test	g/210L	Time
BLK	0.000	10:50
CHK	0.100	10:50
BLK	0.000	10:52
CHK	0.100	10:53
BLK	0.000	10:54
CHK	0.100	10:55

Test Status: *Success*

Calibration CRC: 624A3309

AMS
Jed

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 597

Test Date: 04/21/2015 Test Time: 11:00 EDT

Dry Gas Target: 0.302

Lot Number: AG506501-09 Exp Date: 03/06/2017

Tank Pressure: 223 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:01
CHK	0.303	11:01
BLK	0.000	11:03
CHK	0.303	11:04
BLK	0.000	11:06
CHK	0.302	11:07

Test Status: *Success*

Calibration CRC: 624A3309

HMS
SW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 598
Test Date: 04/21/2015 Test Time: 11:17 EDT

Technician Initials: HMS

Dry Gas Target: 0.251

Lot Number: 1611425014-03 Exp Date: 07/05/2016

Tank Pressure: 90 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:17
BLK	0.000	11:18
CHK	0.250	11:19
BLK	0.000	11:20
CHK	0.250	11:21
BLK	0.000	11:23
CHK	0.250	11:24
BLK	0.000	11:25

Success

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

Certification Status: Continued

HMS

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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 599
Test Date: 04/21/2015 Test Time: 11:27 EDT

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 1611415013-01 Exp Date: 07/05/2016

Tank Pressure: 232 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:27
BLK	0.000	11:28
CHK	0.150	11:29
BLK	0.000	11:30
CHK	0.150	11:31
BLK	0.000	11:33
CHK	0.150	11:34
BLK	0.000	11:35

Success

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

Certification Status: Continued

HMS
Jed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 600
Test Date: 04/21/2015 Test Time: 11:37 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 3441308012-01 Exp Date: 01/01/2016

Tank Pressure: 178 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:37
BLK	0.000	11:38
CHK	0.079	11:39
BLK	0.000	11:40
CHK	0.079	11:41
BLK	0.000	11:42
CHK	0.079	11:43
BLK	0.000	11:44

Success

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

Certification Status: Continued

HMS
Jed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 601
Test Date: 04/21/2015 Test Time: 11:46 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 1611402011-04 Exp Date: 07/05/2016

Tank Pressure: 909 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:47
BLK	0.000	11:47
CHK	0.019	11:48
BLK	0.000	11:49
CHK	0.019	11:50
BLK	0.000	11:52
CHK	0.019	11:52
BLK	0.000	11:54

Success

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

Certification Status: Success

HMS
JL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 602

Test Date: 04/21/2015 Test Time: 11:57 EDT

Dry Gas Target: 0.302

Lot Number: AG506501-09 Exp Date: 03/06/2017

Tank Pressure: 218 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:58
CHK	0.300	11:58
BLK	0.000	12:00
CHK	0.301	12:01
BLK	0.000	12:03
CHK	0.300	12:04

Test Status: *Success*

Calibration CRC: 624A3309

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 603

Test Date: 04/21/2015 Test Time: 12:07 EDT

Dry Gas Target: 0.101

Lot Number: AG425201-30 Exp Date: 09/09/2016

Tank Pressure: 928 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:08
CHK	0.099	12:09
BLK	0.000	12:10
CHK	0.099	12:11
BLK	0.000	12:12
CHK	0.099	12:13

Test Status: *Success*

Calibration CRC: 624A3309

HMS
Ded



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 STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 04/21/2015
TEST EQUIPMENT NUMBER 010658		

RESULTS: TIME SAMPLE TAKEN 12:21 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

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SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 23 Apr 2015 at 08:05

Handwritten initials/signature

Test Results

Instrument Serial Number 010658

Test # 000604 Subject Test

Test Location 1 Department of
Test Date 21 Apr 2015

Test Location 2 Forensic Science
Test Time 12:15
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

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 21 Apr 2015 End Time 12:22

Result Time 12:21

Result Date 21 Apr 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:15

Data Type BLK

Sample Value 0.000

Sample Time 12:16

Data Type CHK

Sample Value 0.099

Sample Time 12:17

Data Type BLK

Sample Value 0.000

Sample Time 12:18

Data Type SUBJ

Sample Value 0.000

Sample Time 12:19

Data Type BLK

Sample Value 0.000

Sample Time 12:20

Data Type SUBJ

Sample Value 0.000

Sample Time 12:21

Data Type BLK

Sample Value 0.000

Sample Time 12:22

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG425201-30

Standard Expiration Date 09/09/2016

Tank Pressure 924

Barometric Pressure 764 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1770 cc End-of-Blow Time 12:19

Blow Sample Number 2 Blow Duration 3.46 sec

Blow Volume 1787 cc End-of-Blow Time 12:21

Tamper Evident Stamp e57f6458

Test Status Code 0

Test Status Success