



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: 010636
DATE CERTIFICATION METHOD PERFORMED: January 13, 2015
DATE RECERTIFICATION DUE: July 12, 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.

[Signature]
Timmy L. Neece, Jr.
Forensic Scientist

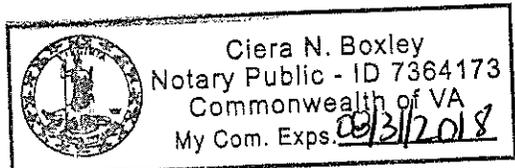
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of January, 2015 by Timmy L. Neece, Jr.

[Signature: Ciera N. Boxley]
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018

mmb



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/13/2014 To 1/13/2015

HMS
TLN

Instrument Serial Number: 010636

As of 14-Jan-15

Maintenance Date	Certification Date	Technician Initials	Remarks
13-Jan-15	13-Jan-15	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED
13-Aug-14	13-Aug-14	HMS (18910)	CERTIFIED
05-Mar-14	05-Mar-14	HMS (18910)	REPLACED PRINTER RIBBBON, CERTIFIED, REPLACED DRY GAS STANDARD.

Handwritten initials/signature

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010636 Worksheet Start Date: 1/13/2015

Location: Fort Belvoir

Address: 6080 Abbott Rd., Fort Belvoir, VA 22060

DFS Technician: Heather Stanton License No.: 18910

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 769 Reference Barometer (mm HG): 771

Reference Barometer(RB)Serial #: 009113 RB Calibration Due: 4/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.304	0.294	0.313	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	0.100	0.100	0.100
Precision		sample min	sample max			
0		0.100	0.100			

Dry gas standard Lot No. (with tank no.): AG400202-39

- 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

010636

Certification Date

1/13/2015

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	0.251
0.250	0.253	0.245	0.260	Sample 2	0.251
Precision		sample min	sample max	Sample 3	0.251
0		0.251	0.251		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.152	0.147	0.156	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	0.080
0.080	0.081	0.078	0.084	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	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

Heath M. Stachn

Date

1/14/15

Issuing Analyst

[Signature]

Date

1/14/15

hms
TLW



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 01/13/2015
TEST EQUIPMENT NUMBER 010636		

RESULTS: TIME SAMPLE TAKEN 13:17 EST

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

*Replaced UPS Back-up battery
hms
1/13/15*

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 14 Jan 2015 at 10:30

*LMS
TLN*

Test Results

Instrument Serial Number 010636

Test # 000358 Subject Test

Test Location 1 Department of
Test Date 13 Jan 2015

Test Location 2 Forensic Science
Test Time 13:11
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name HEATHER
Operator's Middle Initial M
License Number 18910
Effective Date 10/01/2014
Expiration Date 10/01/2016
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000
Court Name DFS

End Date 13 Jan 2015	End Time 13:19	Result Time 13:17	Result Date 13 Jan 2015	Result 0.00
Data Type DIAG		Sample Value Pass	Sample Time 13:11	
Data Type BLK		Sample Value 0.000	Sample Time 13:12	
Data Type CHK		Sample Value 0.101	Sample Time 13:13	
Data Type BLK		Sample Value 0.000	Sample Time 13:14	
Data Type SUBJ		Sample Value 0.000	Sample Time 13:15	
Data Type BLK		Sample Value 0.000	Sample Time 13:16	
Data Type SUBJ		Sample Value 0.000	Sample Time 13:17	
Data Type BLK		Sample Value 0.000	Sample Time 13:18	

Standard Type Dry Gas Std
Standard Lot Number AG400202-39
Tank Pressure 1041

Standard Value 0.101
Standard Expiration Date 01/02/2016
Barometric Pressure 769 mmHg

Blow Sample Number 1	Blow Duration 3.11 sec	Blow Volume 1777 cc	End-of-Blow Time 13:15
Blow Sample Number 2	Blow Duration 3.10 sec	Blow Volume 1771 cc	End-of-Blow Time 13:17
Tamper Evident Stamp c580efed		Test Status Code 0	
Test Status Success			

fms
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 359

Test Date: 01/13/2015 Test Time: 13:21 EST

Dry Gas Target: 0.101

Lot Number: AG400202-39 Exp Date: 01/02/2016

Tank Pressure: 1036 psi Barometric Pressure: 769 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:22
CHK	0.101	13:23
BLK	0.000	13:24
CHK	0.101	13:25
BLK	0.000	13:26
CHK	0.101	13:27

Test Status: *Success*

Calibration CRC: BB2D8DCD

AMS
TKV

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 360

Test Date: 01/13/2015 Test Time: 13:31 EST

Dry Gas Target: 0.304

Lot Number: AG428003-09 Exp Date: 10/07/2016

Tank Pressure: 375 psi Barometric Pressure: 769 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:32
CHK	0.307	13:32
BLK	0.000	13:34
CHK	0.307	13:35
BLK	0.000	13:37
CHK	0.306	13:38

Test Status: *Success*

Calibration CRC: BB2D8DCD

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 361
Test Date: 01/13/2015 Test Time: 13:48 EST

Technician Initials: HMS

Dry Gas Target: 0.253

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

Tank Pressure: 286 psi Barometric Pressure: 769 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:48
BLK	0.000	13:49
CHK	0.251	13:50
BLK	0.000	13:51
CHK	0.251	13:52
BLK	0.000	13:54
CHK	0.251	13:55
BLK	0.000	13:57

Success

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

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 362
Test Date: 01/13/2015 Test Time: 13:59 EST

Technician Initials: HMS

Dry Gas Target: 0.152

Lot Number: 16114150I3-01 Exp Date: 07/05/2016

Tank Pressure: 468 psi Barometric Pressure: 769 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:59
BLK	0.000	14:00
CHK	0.151	14:01
BLK	0.000	14:02
CHK	0.151	14:03
BLK	0.000	14:05
CHK	0.151	14:05
BLK	0.000	14:07

Success

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

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 363
Test Date: 01/13/2015 Test Time: 14:09 EST

Technician Initials: HMS

Dry Gas Target: 0.081

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

Tank Pressure: 389 psi Barometric Pressure: 769 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:09
BLK	0.000	14:10
CHK	0.080	14:11
BLK	0.000	14:12
CHK	0.080	14:13
BLK	0.000	14:14
CHK	0.080	14:15
BLK	0.000	14:16

Success

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

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 364
Test Date: 01/13/2015 Test Time: 14:19 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 129 psi Barometric Pressure: 769 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:19
BLK	0.000	14:20
CHK	0.019	14:21
BLK	0.000	14:22
CHK	0.019	14:23
BLK	0.000	14:24
CHK	0.019	14:25
BLK	0.000	14:26

Success

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

Certification Status: Success

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[Handwritten initials]

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 365
Test Date: 01/13/2015 Test Time: 14:29 EST
Dry Gas Target: 0.304
Lot Number: AG428003-09 Exp Date: 10/07/2016
Tank Pressure: 370 psi Barometric Pressure: 769 mmHg
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:30
CHK	0.305	14:30
BLK	0.000	14:32
CHK	0.305	14:33
BLK	0.000	14:35
CHK	0.305	14:36

Test Status: *Success*

Calibration CRC: BB2D8DCD

AMS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 366

Test Date: 01/13/2015 Test Time: 14:40 EST

Dry Gas Target: 0.101

Lot Number: AG400202-39 Exp Date: 01/02/2016

Tank Pressure: 1007 psi Barometric Pressure: 769 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:40
CHK	0.100	14:41
BLK	0.000	14:43
CHK	0.100	14:43
BLK	0.000	14:45
CHK	0.100	14:46

Test Status: *Success*

Calibration CRC: BB2D8DCD

AKUS
T/W



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 01/13/2015
TEST EQUIPMENT NUMBER 010636		

RESULTS: TIME SAMPLE TAKEN 14:53 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 13 Jan 2015 at 14:59

*LMS
TLW*

Test Results

Instrument Serial Number 010636

Test # 000367 **Subject Test**

Test Location 1 Department of
Test Date 13 Jan 2015

Test Location 2 Forensic Science
Test Time 14:47
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 V

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 13 Jan 2015 **End Time** 14:55

Result Time 14:53

Result Date 13 Jan 2015 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:47

Data Type BLK

Sample Value 0.000

Sample Time 14:48

Data Type CHK

Sample Value 0.100

Sample Time 14:49

Data Type BLK

Sample Value 0.000

Sample Time 14:50

Data Type SUBJ

Sample Value 0.000

Sample Time 14:51

Data Type BLK

Sample Value 0.000

Sample Time 14:52

Data Type SUBJ

Sample Value 0.000

Sample Time 14:53

Data Type BLK

Sample Value 0.000

Sample Time 14:54

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG400202-39

Standard Expiration Date 01/02/2016

Tank Pressure 992

Barometric Pressure 769 mmHg

Blow Sample Number 1 **Blow Duration** 3.44 sec

Blow Volume 1810 cc **End-of-Blow Time** 14:51

Blow Sample Number 2 **Blow Duration** 3.34 sec

Blow Volume 1793 cc **End-of-Blow Time** 14:53

Tamper Evident Stamp 474bb8d2

Test Status Code 0

Test Status Success