



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: 010636

CERTIFICATION DATE: August 13, 2014

DATE RECERTIFICATION DUE: February 9, 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 ± 0.007 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.

Timmy L. Neece, Jr.
Forensic Scientist

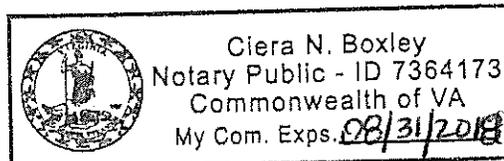
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of August, 2014 by Timmy L. Neece, Jr.

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
1/1/1990 To 8/14/2014**

*HMS
TLN*

Instrument Serial Number: 010636 **As of 14-Aug-14**

Maintenance Date	Certification Date	Technician Initials	Remarks
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.
19-Sep-13	19-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
10-Apr-13	10-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
25-Oct-12	25-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
09-May-12	09-May-12	HMS (18910)	REPLACED E-SEEK CARD READER, CERTIFIED, REPLACED DRY GAS STANDARD.
15-Nov-11	15-Nov-11	HMS (18910)	CERTIFIED
09-Jun-11	09-Jun-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
22-Dec-10	22-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
09-Jul-10	09-Jul-10	RJP (22428)	CERTIFIED.
22-Jan-10	22-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
03-Aug-09	03-Aug-09	RJP (22428)	CERTIFIED.
15-Apr-09	15-Apr-09	RJP (22428)	CERTIFIED.
06-Apr-09	06-Apr-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

Handwritten initials/signature

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010636 Worksheet Start Date: 8/13/2014

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): 752 Reference Barometer (mm HG): 754

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	0.296	0.287	0.304	0.296	0.295	0.295
Precision		sample min	sample max			
0.001		0.295	0.296			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.099	0.096	0.102	0.097	0.097	0.097
Precision		sample min	sample max			
0		0.097	0.097			

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
- Certificates of Analysis
- Operator Worksheet
- Other:



Notes:

Instrument Serial Number 010636

Certification Date 8/13/2014

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	0.246
0.250	0.247	0.239	0.254	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.244
0.002		0.244	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.148	0.143	0.152	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.079	0.076	0.082	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

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. Stach Date 8/14/14

Issuing Analyst [Signature] Date 8/14/14

mmb

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 331
Test Date: 08/13/2014 Test Time: 14:04 EDT

Technician Initials: HMS

Dry Gas Target: 0.247

Lot Number: 07713250I4-04 Exp Date: 05/01/2015

Tank Pressure: 198 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:05
BLK	0.000	14:06
CHK	0.246	14:06
BLK	0.000	14:08
CHK	0.245	14:08
BLK	0.000	14:10
CHK	0.244	14:11
BLK	0.000	14:12

Success

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

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 332
Test Date: 08/13/2014 Test Time: 14:13 EDT

Technician Initials: HMS

Dry Gas Target: 0.148

Lot Number: 0771315013-01 Exp Date: 05/01/2015

Tank Pressure: 174 psi Barometric Pressure: 751 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:14
BLK	0.000	14:14
CHK	0.148	14:15
BLK	0.000	14:16
CHK	0.148	14:17
BLK	0.000	14:19
CHK	0.147	14:19
BLK	0.000	14:21

Success

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

Certification Status: Continued

HMS
TKV

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 333
Test Date: 08/13/2014 Test Time: 14:22 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 07713080I2-02 Exp Date: 05/01/2015
Tank Pressure: 321 psi Barometric Pressure: 751 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:22
BLK	0.000	14:23
CHK	0.078	14:24
BLK	0.000	14:25
CHK	0.078	14:26
BLK	0.000	14:27
CHK	0.078	14:28
BLK	0.000	14:29

Success

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

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 334
Test Date: 08/13/2014 Test Time: 14:30 EDT

Technician Initials: *HMS*

Dry Gas Target: *0.020*

Lot Number: *34413020I1-02* Exp Date: *01/01/2016*

Tank Pressure: *688 psi* Barometric Pressure: *751 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:30
BLK	0.000	14:31
CHK	0.019	14:32
BLK	0.000	14:33
CHK	0.019	14:34
BLK	0.000	14:35
CHK	0.019	14:36
BLK	0.000	14:37

Success

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

Certification Status: Success

HMS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 335

Test Date: 08/13/2014 Test Time: 14:39 EDT

Dry Gas Target: 0.296

Lot Number: AG334603-06 Exp Date: 12/12/2015

Tank Pressure: 174 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:40
CHK	0.296	14:41
BLK	0.000	14:42
CHK	0.295	14:43
BLK	0.000	14:45
CHK	0.295	14:46

Test Status: *Success*

Calibration CRC: BB2D8DCD

ANS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 336

Test Date: 08/13/2014 Test Time: 14:48 EDT

Dry Gas Target: 0.099

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

Tank Pressure: 1120 psi Barometric Pressure: 751 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:48
CHK	0.097	14:49
BLK	0.000	14:51
CHK	0.097	14:52
BLK	0.000	14:53
CHK	0.097	14:54

Test Status: *Success*

Calibration CRC: BB2D8DCD

KMS
Tbn



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 10/01/2014	DATE TEST CONDUCTED 08/13/2014
TEST EQUIPMENT NUMBER 010636		

RESULTS: TIME SAMPLE TAKEN 15:01 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 13 Aug 2014 at 15:08

*HMS
TLN*

Test Results

Instrument Serial Number 010636

Test # 000337 **Subject Test**

Test Location 1 Department of
Test Date 13 Aug 2014

Test Location 2 Forensic Science
Test Time 14:55
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 10/01/2012

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 13 Aug 2014 **End Time** 15:02

Result Time 15:01

Result Date 13 Aug 2014 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:55

Data Type BLK

Sample Value 0.000

Sample Time 14:56

Data Type CHK

Sample Value 0.097

Sample Time 14:57

Data Type BLK

Sample Value 0.000

Sample Time 14:58

Data Type SUBJ

Sample Value 0.000

Sample Time 14:59

Data Type BLK

Sample Value 0.000

Sample Time 15:00

Data Type SUBJ

Sample Value 0.000

Sample Time 15:01

Data Type BLK

Sample Value 0.000

Sample Time 15:02

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG400202-39

Standard Expiration Date 01/02/2016

Tank Pressure 1115

Barometric Pressure 751 mmHg

Blow Sample Number 1 **Blow Duration** 3.61 sec

Blow Volume 1730 cc **End-of-Blow Time** 14:59

Blow Sample Number 2 **Blow Duration** 3.74 sec

Blow Volume 1762 cc **End-of-Blow Time** 15:01

Tamper Evident Stamp f61a1df9

Test Status Code 0

Test Status Success