



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: 010473
DATE CERTIFICATION METHOD PERFORMED: May 4, 2015
DATE RECERTIFICATION DUE: October 31, 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 Michelle M. Billeter

Michelle M. Billeter
Forensic Scientist

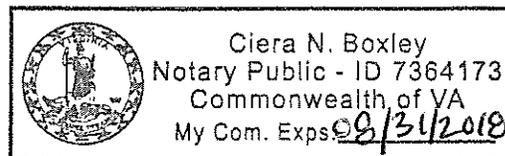
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 6th day of May, 2015 by Michelle M. Billeter

Handwritten signature of Ciera N. Boxley with initials JPD

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
5/4/2014 To 5/4/2015

MMB

Instrument Serial Number: 010473 As of 04-May-15

Maintenance Date	Certification Date	Technician Initials	Remarks
04-May-15	04-May-15	MMB (26417)	CERTIFIED.
09-Jan-15	09-Jan-15	TLN (25387)	CERTIFIED.
21-Jul-14	21-Jul-14	HMS (18910)	CERTIFIED
07-May-14	30-Jan-14	DBH (21250)	REPLACED E-SEEK CARD READER POWER CORD.

mmb

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010473 Worksheet Start Date: 5/4/2015

Location: DFS Central

Address: 737 North 5th Street, Richmond VA 23219

DFS Technician: Michelle Billeter License No.: 26417

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 764 Reference Barometer (mm HG): 763

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

Measurement Assurance Check

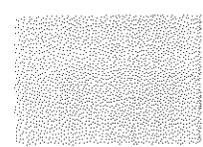
Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.300	0.302	0.292	0.311	0.307
Precision		sample min	sample max	Sample 2
0		0.307	0.307	0.307

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.100	0.101	0.097	0.104	0.101
Precision		sample min	sample max	Sample 2
0		0.101	0.101	0.101

Dry gas standard Lot No. (with tank no.) AG320502-22

- 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

010473

Certification Date

5/4/2015

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	0.253
0.250	0.251	0.243	0.258	Sample 2	0.253
Precision		sample min	sample max	Sample 3	0.253
0		0.253	0.253		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.152
0.150	0.151	0.146	0.155	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

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

Michelle Bellini

Date

5/4/15

Issuing Analyst

Michelle Bellini

Date

5/4/15

JPD

mmb

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010473 Test Number: 1268
Test Date: 05/04/2018 Test Time: 10:39 PDT

Technician Initials: MMB

Dry Gas Target: 0.251

Lot Number: 0981525014-02 Exp Date: 05/05/2017

Tank Pressure: 224 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:39
BLK	0.000	10:40
CHK	0.253	10:41
BLK	0.000	10:43
CHK	0.253	10:44
BLK	0.000	10:46
CHK	0.253	10:47
BLK	0.000	10:49

Success

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

Certification Status: Continued

mmb

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010473 Test Number: 1269
Test Date: 05/04/2015 Test Time: 10:53 EDT

Technician Initials: *MME*

Dry Gas Target: *0.151*

Lot Number: *1611415013-03* Exp Date: *07/05/2016*
Tank Pressure: *575 psi* Barometric Pressure: *764 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:53
BLK	0.000	10:54
CHK	0.152	10:55
BLK	0.000	10:56
CHK	0.152	10:57
BLK	0.000	10:59
CHK	0.152	11:00
BLK	0.000	11:02

Success

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

Certification Status: Continued

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010473 Test Number: 1270
Test Date: 05/04/2015 Test Time: 11:04 EDT

Technician Initials: *MMB*

Dry Gas Target: *0.080*

Lot Number: *1611408012-03* Exp Date: *07/05/2016*

Tank Pressure: *450 psi* Barometric Pressure: *764 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAC	Pass	11:05
BLK	0.000	11:05
CHK	0.081	11:06
BLK	0.000	11:08
CHK	0.081	11:09
BLK	0.000	11:10
CHK	0.081	11:11
BLK	0.000	11:12

Success

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

Certification Status: Continued

mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010477 Test Number: 1271
Test Date: 05/04/2015 Test Time: 11:18 EDT

Technician Initials: *MME*

Dry Gas Target: *0.020*

Lot Number: *1611402011-01* Exp Date: *07/05/2016*

Tank Pressure: *590 psi* Barometric Pressure: *764 mmHg*

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:18
BLK	0.000	11:19
CHK	0.019	11:20
BLK	0.000	11:21
CHK	0.019	11:22
BLK	0.000	11:23
CHK	0.019	11:24
BLK	0.000	11:25

Success

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

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010473 Test Number: 1272
 Test Date: 05/04/2015 Test Time: 11:29 EDT
 Dry Gas Target: 0.302

Lot Number: AG428003-02 Exp Date: 10/07/2016
 Tank Pressure: 291 psi Barometric Pressure: 764 mmHg
 System Check: Passed

Test	g/210L	Time
BLK	0.000	11:30
CHK	0.307	11:31
BLK	0.000	11:33
CHK	0.307	11:34
BLK	0.000	11:36
CHK	0.307	11:37

Test Status: Success

Calibration CRC: 3E9258A2

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010473 Test Number: 1273
Test Date: 05/04/2015 Test Time: 11:41 EDT
Dry Gas Target: 0.101
Lot Number: 3G330502-22 Exp Date: 07/24/2015
Tank Pressure: 178 psi Barometric Pressure: 764 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	11:42
CHK	0.101	11:43
BLK	0.000	11:45
CHK	0.101	11:46
BLK	0.000	11:47
CHK	0.101	11:48

Test Status: *Success*

Calibration CRC: 3E9258A2

INSTRUMENT, TEST,

DPS

BILLETTE, MICHELLE, M

DPS Central Lab

26417

10/01/2016

05/04/2015

010472

05/04/2015

11:58 EDT

0.00

mmB



IntoxNet MIS Report

Report Generated 04 May 2015 at 12:43

Test Results

Instrument Serial Number 010473

Test # 001274 Subject Test

Test Location 1 Department of
Test Date 04 May 2015

Test Location 2 Forensic Science
Test Time 11:51
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial N

Card Serial Number 126417

Effective Date 10/01/2014

License Number 26417

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 04 May 2015 End Time 11:59

Result Time 11:58

Result Date 04 May 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:51

Data Type BLK

Sample Value 0.000

Sample Time 11:52

Data Type CHK

Sample Value 0.101

Sample Time 11:53

Data Type BLK

Sample Value 0.000

Sample Time 11:55

Data Type SUBJ

Sample Value 0.000

Sample Time 11:56

Data Type BLK

Sample Value 0.000

Sample Time 11:57

Data Type SUBJ

Sample Value 0.000

Sample Time 11:58

Data Type BLK

Sample Value 0.000

Sample Time 11:59

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG320502-22

Standard Expiration Date 07/24/2015

Tank Pressure 174

Barometric Pressure 764 mmHg

Blow Sample Number 1 Blow Duration 3.75 sec

Blow Volume 1777 cc End-of-Blow Time 11:56

Blow Sample Number 2 Blow Duration 3.88 sec

Blow Volume 1879 cc End-of-Blow Time 11:58

Tamper Evident Stamp 05d2942d

Test Status Code 0

Test Status Success