



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: 012222
CERTIFICATION DATE: February 14, 2014
DATE RECERTIFICATION DUE: August 13, 2014

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.

Handwritten signature of Michelle M. Billeter

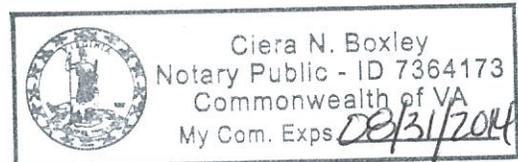
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of February 2014 by Michelle M. Billeter

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

My commission expires: August 31, 2014



MMB
031314

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 3/13/2014

Instrument Serial Number: 012222 As of 13-Mar-14

Maintenance Date	Certification Date	Technician Initials	Remarks
14-Feb-14	14-Feb-14	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Jan-14	26-Nov-13	MMB (26417)	REPLACED UPS BACK-UP BATTERY, REPLACED DRY GAS STANDARD.
26-Nov-13	26-Nov-13	MMB (26417)	CERTIFIED.
26-Sep-13	26-Sep-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
14-Nov-12	14-Nov-12	DBH (21250)	CERTIFIED
26-Oct-12	26-Oct-12	DBH (21250)	CERTIFIED.
17-Oct-12	17-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
03-Oct-12	03-Oct-12	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

MMB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **012222** Worksheet Start Date **2/14/2014**
 Location **Chesterfield CO ADC**
 Address **6900 Mimms Dr Chesterfield VA 23832**
 DFS Technician **Michelle Billeter** License No. **26417**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **745** Reference Barometer (mm HG) **749**
 Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

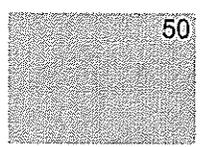
Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.294	0.285	0.302	0.295	0.295	0.295
Precision		sample min	sample max			
0		0.295	0.295			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.098	0.095	0.101	0.098	0.098	0.097
Precision		sample min	sample max			
0.001		0.097	0.098			

Dry gas standard Lot No. (with tank no.) **AG316301-01**

- 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

012222

Certification Date

2/14/2014

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	0.245	0.237	0.252	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0.001		0.245	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.147
0.150	0.147	0.142	0.151	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0		0.147	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.078	0.075	0.081	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

Michelle Belletta

Date

2/14/14

Issuing Analyst

Michelle Belletta

Date

2/18/14

TLN

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 012222 Test Number: 467
Test Date: 02/14/2014 Test Time: 10:02 EST

Technician Initials: *MMB*

Dry Gas Target: *0.245*

Lot Number: *0651225015-02* Exp Date: *04/01/2014*

Tank Pressure: *301 psi* Barometric Pressure: *744 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:03
BLK	0.000	10:03
CHK	0.246	10:04
BLK	0.000	10:05
CHK	0.245	10:06
BLK	0.000	10:08
CHK	0.245	10:09
BLK	0.000	10:10

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: 012222 Test Number: 468
Test Date: 02/14/2014 Test Time: 10:12 EST

Technician Initials: *MMB*

Dry Gas Target: *0.147*

Lot Number: *0651215014-04* Exp Date: *04/01/2014*
Tank Pressure: *693 psi* Barometric Pressure: *744 mmHg*
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:16
BLK	0.000	10:16
CHK	0.147	10:17
BLK	0.000	10:18
CHK	0.147	10:19
BLK	0.000	10:21
CHK	0.147	10:21
BLK	0.000	10:23

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: 012222 Test Number: 469
Test Date: 02/14/2014 Test Time: 10:24 EST

Technician Initials: MMB

Dry Gas Target: 0.078

Lot Number: 06512080I2-01 Exp Date: 04/01/2014

Tank Pressure: 855 psi Barometric Pressure: 744 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:25
BLK	0.000	10:25
CHK	0.078	10:26
BLK	0.000	10:27
CHK	0.078	10:28
BLK	0.000	10:29
CHK	0.078	10:30
BLK	0.000	10:31

Success

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

Certification Status: Continued

MMB

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 012222 Test Number: 470
Test Date: 02/14/2014 Test Time: 10:33 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0651202011-04 Exp Date: 04/01/2014

Tank Pressure: 1022 psi Barometric Pressure: 744 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:33
BLK	0.000	10:34
CHK	0.019	10:34
BLK	0.000	10:36
CHK	0.019	10:36
BLK	0.000	10:38
CHK	0.019	10:38
BLK	0.000	10:40

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: 012222 Test Number: 471

Test Date: 02/14/2014 Test Time: 10:43 EST

Dry Gas Target: 0.294

Lot Number: AG321804-04 Exp Date: 08/06/2015

Tank Pressure: 321 psi Barometric Pressure: 744 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:44
CHK	0.295	10:44
BLK	0.000	10:46
CHK	0.295	10:47
BLK	0.000	10:48
CHK	0.295	10:49

Test Status: *Success*

Calibration CRC: 20E3A79E

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 012222 Test Number: 472

Test Date: 02/14/2014 Test Time: 10:53 EST

Dry Gas Target: 0.098

Lot Number: AG316301-01 Exp Date: 06/12/2015

Tank Pressure: 458 psi Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:53
CHK	0.098	10:54
BLK	0.000	10:56
CHK	0.098	10:56
BLK	0.000	10:58
CHK	0.097	10:58

Test Status: *Success*

Calibration CRC: 20E3A79E

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 BILLETTER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 02/14/2014
TEST EQUIPMENT NUMBER 012222		

RESULTS: TIME SAMPLE TAKEN 11:06 EST

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

ATTEST:

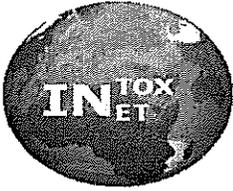
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO 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

FOR COURT



IntoxNet MIS Report
Report Generated 14 Feb 2014 at 13:47

mmB

Test Results

Instrument Serial Number 012222

Test # 000473 Subject Test

Test Location 1 Department of
Test Date 14 Feb 2014

Test Location 2 Forensic Science
Test Time 11:00
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 M
License Number 26417

Card Serial Number 126417

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 14 Feb 2014 End Time 11:07

Result Time 11:06

Result Date 14 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:00

Data Type BLK

Sample Value 0.000

Sample Time 11:01

Data Type CHK

Sample Value 0.097

Sample Time 11:02

Data Type BLK

Sample Value 0.000

Sample Time 11:03

Data Type SUBJ

Sample Value 0.000

Sample Time 11:04

Data Type BLK

Sample Value 0.000

Sample Time 11:05

Data Type SUBJ

Sample Value 0.000

Sample Time 11:06

Data Type BLK

Sample Value 0.000

Sample Time 11:07

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG316301-01

Standard Expiration Date 06/12/2015

Tank Pressure 448

Barometric Pressure 744 mmHg

Blow Sample Number 1 Blow Duration 3.77 sec

Blow Volume 1665 cc End-of-Blow Time 11:04

Blow Sample Number 2 Blow Duration 3.85 sec

Blow Volume 1643 cc End-of-Blow Time 11:06

Tamper Evident Stamp d7e54655

Test Status Code 0

Test Status Success