



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: 010725
DATE CERTIFICATION METHOD PERFORMED: January 29, 2015
DATE RECERTIFICATION DUE: July 28, 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

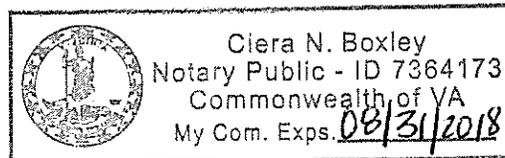
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of January, 2015 by Michelle M. Billeter

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
1/29/2014 To 1/30/2015

DBH
MMB

Instrument Serial Number: 010725 **As of 30-Jan-15**

Maintenance Date	Certification Date	Technician Initials	Remarks
29-Jan-15	29-Jan-15	DBH (21250)	REPLACED UPS BACK-UP BATTERY. CERTIFIED.
15-Aug-14	15-Aug-14	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Feb-14	26-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.

DBH
mmB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010725** Worksheet Start Date **1/29/2015**

Location **Fort Eustis**

Address **648 Washington Blvd Fort Eustis VA 23604**

DFS Technician **Donald Hall** License No. **21250**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **768** Reference Barometer (mm HG) **765**

Reference Barometer(RB)Serial # **009109** RB Calibration Due **7/28/2015**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.303
0.300	0.303	0.293	0.312	Sample 2	0.303
Precision		sample min	sample max	Sample 3	0.303
0		0.303	0.303		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.101	0.097	0.104	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.099
0.001		0.099	0.100		

Dry gas standard Lot No. (with tank no.) **AG400202-36**

- Replaced dry gas standard (+O-ring)
- Installed at Location
- Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

25

Notes:

Replaced UPS back-up battery.

Instrument Serial Number

010725

Certification Date

1/29/2015

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	0.253	0.245	0.260	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	0.151
0.150	0.151	0.146	0.155	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

Donald B Hall

Date

1/30/15

Issuing Analyst

Michelle Bell

Date

1/30/15

1/30

DBH
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
--------------------------------------	----------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, E		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 01/29/2015
TEST EQUIPMENT NUMBER 010725		

14:10 EST

RESULTS: TIME SAMPLE TAKEN 0.00

SAMPLE'S ALCOHOL CONTENT _____ 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 29 Jan 2015 at 14:33

TZ
DBH
mmB

Test Results

Instrument Serial Number 010725

Test # 000503 **Subject Test**

Test Location 1 Department of
Test Date 29 Jan 2015

Test Location 2 Forensic Science
Test Time 14:03
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

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 29 Jan 2015 **End Time** 14:11

Result Time 14:10

Result Date 29 Jan 2015 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:04

Data Type BLK

Sample Value 0.000

Sample Time 14:04

Data Type CHK

Sample Value 0.101

Sample Time 14:05

Data Type BLK

Sample Value 0.000

Sample Time 14:07

Data Type SUBJ

Sample Value 0.000

Sample Time 14:07

Data Type BLK

Sample Value 0.000

Sample Time 14:08

Data Type SUBJ

Sample Value 0.000

Sample Time 14:10

Data Type BLK

Sample Value 0.000

Sample Time 14:11

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG400202-36

Standard Expiration Date 01/02/2016

Tank Pressure 772

Barometric Pressure 768 mmHg

Blow Sample Number 1 **Blow Duration** 3.23 sec

Blow Volume 2123 cc **End-of-Blow Time** 14:07

Blow Sample Number 2 **Blow Duration** 3.24 sec

Blow Volume 2101 cc **End-of-Blow Time** 14:10

Tamper Evident Stamp e0afea88

Test Status Code 0

Test Status Success

Intox EC/IR-11: Accuracy Check

DBH
mmB

Department of Forensic Science

Serial Number: 010725 Test Number: 504

Test Date: 01/29/2015 Test Time: 14:12 EST

Dry Gas Target: 0.101

Lot Number: AG400202-36 Exp Date: 01/02/2016

Tank Pressure: 767 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:13
CHK	0.101	14:14
BLK	0.000	14:15
CHK	0.101	14:16
BLK	0.000	14:17
CHK	0.101	14:18

Test Status: *Success*

Calibration CRC: F1C91400

Intox EC/IR-11: Accuracy Check

DBH
mmb

Department of Forensic Science

Serial Number: 010725 Test Number: 505

Test Date: 01/29/2015 Test Time: 14:21 EST

Dry Gas Target: 0.303

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

Tank Pressure: 335 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:21
CHK	0.306	14:22
BLK	0.000	14:24
CHK	0.306	14:25
BLK	0.000	14:27
CHK	0.305	14:28

Test Status: *Success*

Calibration CRC: F1C91400

Intox EC/IR-11: Certification

DBH
mmB

Department of Forensic Science
Serial Number: 010725 Test Number: 506
Test Date: 01/29/2015 Test Time: 14:47 EST

Technician Initials: DBH
Dry Gas Target: 0.253
Lot Number: 1611425014-01 Exp Date: 07/05/2016
Tank Pressure: 830 psi Barometric Pressure: 768 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:47
BLK	0.000	14:48
CHK	0.250	14:48
BLK	0.000	14:50
CHK	0.250	14:51
BLK	0.000	14:53
CHK	0.250	14:54
BLK	0.000	14:55

Success

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

Certification Status: Continued

Intox EC/IR-11: Certification

DBH
MMB

Department of Forensic Science
Serial Number: 010725 Test Number: 507
Test Date: 01/29/2015 Test Time: 14:57 EST

Technician Initials: DBH
Dry Gas Target: 0.151
Lot Number: 0771315013-02 Exp Date: 05/01/2015
Tank Pressure: 227 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:58
BLK	0.000	14:59
CHK	0.151	14:59
BLK	0.000	15:01
CHK	0.151	15:02
BLK	0.000	15:03
CHK	0.151	15:04
BLK	0.000	15:06

Success

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

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
mmB

Department of Forensic Science
Serial Number: 010725 Test Number: 508
Test Date: 01/29/2015 Test Time: 15:08 EST

Technician Initials: DBH
Dry Gas Target: 0.081
Lot Number: 3441308012-02 Exp Date: 01/01/2016
Tank Pressure: 125 psi Barometric Pressure: 768 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:08
BLK	0.000	15:09
CHK	0.080	15:10
BLK	0.000	15:11
CHK	0.080	15:12
BLK	0.000	15:13
CHK	0.080	15:14
BLK	0.000	15:16

Success

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

Certification Status: Continued

Intox EC/IR-11: Certification

DBH
mmB

Department of Forensic Science
Serial Number: 010725 Test Number: 509
Test Date: 01/29/2015 Test Time: 15:18 EST

Technician Initials: DBH
Dry Gas Target: 0.020
Lot Number: 0771302011-03 Exp Date: 05/01/2015
Tank Pressure: 281 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:18
BLK	0.000	15:19
CHK	0.019	15:20
BLK	0.000	15:21
CHK	0.019	15:22
BLK	0.000	15:23
CHK	0.019	15:24
BLK	0.000	15:25

Success

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

Certification Status: Success

Intox EC/IR-11: Accuracy Check

DBH
mmB

Department of Forensic Science

Serial Number: 010725 Test Number: 510

Test Date: 01/29/2015 Test Time: 15:28 EST

Dry Gas Target: 0.303

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

Tank Pressure: 325 psi Barometric Pressure: 767 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:28
CHK	0.303	15:29
BLK	0.000	15:31
CHK	0.303	15:32
BLK	0.000	15:34
CHK	0.303	15:35

Test Status: Success

Calibration CRC: F1C91400

Intox EC/IR-11: Accuracy Check

DBH
mmB

Department of Forensic Science

Serial Number: 010725 Test Number: 511

Test Date: 01/29/2015 Test Time: 15:37 EST

Dry Gas Target: 0.101

Lot Number: AG400202-36 Exp Date: 01/02/2016

Tank Pressure: 752 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:38
CHK	0.100	15:39
BLK	0.000	15:40
CHK	0.100	15:41
BLK	0.000	15:43
CHK	0.099	15:43

Test Status: *Success*

Calibration CRC: F1C91400

DBH
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
--------------------------------------	----------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 01/29/2015
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 15:54 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 29 Jan 2015 at 15:58

TLW
DBH
mmb

Test Results

Instrument Serial Number 010725

Test # 000512 **Subject Test**

Test Location 1 Department of
Test Date 29 Jan 2015

Test Location 2 Forensic Science
Test Time 15:47
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

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 29 Jan 2015 **End Time** 15:55

Result Time 15:54

Result Date 29 Jan 2015 **Result** 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:48

Data Type BLK

Sample Value 0.000

Sample Time 15:48

Data Type CHK

Sample Value 0.099

Sample Time 15:49

Data Type BLK

Sample Value 0.000

Sample Time 15:51

Data Type SUBJ

Sample Value 0.000

Sample Time 15:51

Data Type BLK

Sample Value 0.000

Sample Time 15:52

Data Type SUBJ

Sample Value 0.000

Sample Time 15:54

Data Type BLK

Sample Value 0.000

Sample Time 15:55

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG400202-36

Standard Expiration Date 01/02/2016

Tank Pressure 742

Barometric Pressure 767 mmHg

Blow Sample Number 1 **Blow Duration** 3.33 sec

Blow Volume 2063 cc **End-of-Blow Time** 15:51

Blow Sample Number 2 **Blow Duration** 4.26 sec

Blow Volume 2653 cc **End-of-Blow Time** 15:54

Tamper Evident Stamp 38421b8e

Test Status Code 0

Test Status Success