



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: 010656
DATE CERTIFICATION METHOD PERFORMED: July 8, 2015
DATE RECERTIFICATION DUE: January 4, 2016

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.

Jennie Duffy

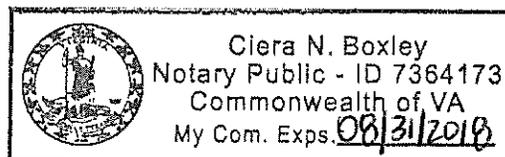
Jennie P. Duffy
Breath Alcohol Supervisor

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 9th day of July, 2015 by Jennie P. Duffy

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



ndk

DBH
JPD

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
7/8/2014 To 7/9/2015

Instrument Serial Number: 010656 **As of 09-Jul-15**

Maintenance Date	Certification Date	Technician Initials	Remarks
08-Jul-15	08-Jul-15	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
09-Feb-15	09-Feb-15	DBH (21250)	CERTIFIED.
04-Sep-14	04-Sep-14	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED, REPLACED DRY GAS STANDARD.

DBH
JPD

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number: 010656 Worksheet Start Date: 7/8/2015

Location: Little Creek Naval Amphibious Base

Address: 1175 Nider Blvd Norfolk VA 23521

DFS Technician: Donald Hall License No.: 21250

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG): 762 Reference Barometer (mm HG): 762

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

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.301	0.291	0.310	0.303	0.303	0.302
Precision		sample min	sample max			
0.001		0.302	0.303			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.100	0.097	0.103	0.100	0.100	0.100
Precision		sample min	sample max			
0		0.100	0.100			

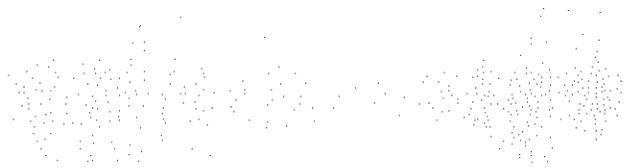
Dry gas standard Lot No. (with tank no.): AG425201-37

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

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

25

Notes:



Instrument Serial Number

010656

Certification Date

7/8/2015

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	0.252
0.250	0.251	0.243	0.258	Sample 2	0.252
Precision		sample min	sample max	Sample 3	0.251
0.001		0.251	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.150	0.145	0.154	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	0.080	0.077	0.083	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

7/9/15

Issuing Analyst

Jennie Duffy
msk

Date

7/9/15

YBH
JPO



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 HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 07/08/2015
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 11:35 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

FOR COURT

DBH
JPD



IntoxNet MIS Report

Report Generated 09 Jul 2015 at 08:56

Test Results

Instrument Serial Number 010656

Test # 000273 **Subject Test**

Test Location 1 Department of
Test Date 08 Jul 2015

Test Location 2 Forensic Science
Test Time 11:29
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

Card Serial Number 121250

License Number 21250

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 08 Jul 2015 End Time 11:37

Result Time 11:35

Result Date 08 Jul 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:29

Data Type BLK

Sample Value 0.000

Sample Time 11:30

Data Type CHK

Sample Value 0.103

Sample Time 11:31

Data Type BLK

Sample Value 0.000

Sample Time 11:32

Data Type SUBJ

Sample Value 0.000

Sample Time 11:33

Data Type BLK

Sample Value 0.000

Sample Time 11:34

Data Type SUBJ

Sample Value 0.000

Sample Time 11:35

Data Type BLK

Sample Value 0.000

Sample Time 11:36

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-37

Standard Expiration Date 01/02/2016

Tank Pressure 203

Barometric Pressure 762 mmHg

Blow Sample Number 1 Blow Duration 4.91 sec

Blow Volume 2385 cc End-of-Blow Time 11:33

Blow Sample Number 2 Blow Duration 4.04 sec

Blow Volume 2099 cc End-of-Blow Time 11:35

Tamper Evident Stamp ea3a5612

Test Status Code 0

Test Status Success

DBH
JPD

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 274

Test Date: 07/08/2015 Test Time: 11:38 EDT

Dry Gas Target: 0.100

Lot Number: AG400202-37 Exp Date: 01/02/2016

Tank Pressure: 198 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:39
CHK	0.103	11:40
BLK	0.000	11:42
CHK	0.102	11:42
BLK	0.000	11:44
CHK	0.102	11:44

Test Status: *Success*

Calibration CRC: 237DD915

DBH
JPD

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 275

Test Date: 07/08/2015 Test Time: 11:47 EDT

Dry Gas Target: 0.301

Lot Number: AG506501-07 Exp Date: 03/06/2017

Tank Pressure: 487 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:47
CHK	0.307	11:48
BLK	0.000	11:50
CHK	0.306	11:51
BLK	0.000	11:52
CHK	0.305	11:53

Test Status: *Success*

Calibration CRC: 237DD915

DBH
JPD

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 276
Test Date: 07/08/2015 Test Time: 11:59 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 16114250I4-01 Exp Date: 07/05/2016

Tank Pressure: 257 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:59
BLK	0.000	12:00
CHK	0.252	12:01
BLK	0.000	12:02
CHK	0.252	12:03
BLK	0.000	12:05
CHK	0.251	12:05
BLK	0.000	12:07

Success

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

Certification Status: Continued

DBH
JRD

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010656 Test Number: 277
Test Date: 07/08/2015 Test Time: 12:09 EDT

Technician Initials: DBH
Dry Gas Target: 0.150
Lot Number: 16114150I3-04 Exp Date: 07/05/2016
Tank Pressure: 659 psi Barometric Pressure: 762 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:10
BLK	0.000	12:11
CHK	0.151	12:11
BLK	0.000	12:13
CHK	0.151	12:13
BLK	0.000	12:15
CHK	0.151	12:16
BLK	0.000	12:17

Success

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

Certification Status: Continued

DBH
JPD

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 278
Test Date: 07/08/2015 Test Time: 12:19 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

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

Tank Pressure: 595 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:20
BLK	0.000	12:20
CHK	0.080	12:21
BLK	0.000	12:22
CHK	0.080	12:23
BLK	0.000	12:25
CHK	0.080	12:25
BLK	0.000	12:27

Success

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

Certification Status: Continued

DBH
JPD

Intox EC/IR-II: Certification

Department of Forensic Science
Serial Number: 010656 Test Number: 279
Test Date: 07/08/2015 Test Time: 12:29 EDT

Technician Initials: DBH
Dry Gas Target: 0.020
Lot Number: 1611402011-02 Exp Date: 07/05/2016
Tank Pressure: 786 psi Barometric Pressure: 762 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:29
BLK	0.000	12:30
CHK	0.019	12:31
BLK	0.000	12:32
CHK	0.019	12:33
BLK	0.000	12:34
CHK	0.019	12:35
BLK	0.000	12:36

Success

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

Certification Status: Success

DBH
JPD

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 280

Test Date: 07/08/2015 Test Time: 12:39 EDT

Dry Gas Target: 0.301

Lot Number: AG506501-07 Exp Date: 03/06/2017

Tank Pressure: 477 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:39
CHK	0.303	12:40
BLK	0.000	12:42
CHK	0.303	12:43
BLK	0.000	12:44
CHK	0.302	12:45

Test Status: *Success*

Calibration CRC: 237DD915

DBH
JPD

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 281

Test Date: 07/08/2015 Test Time: 12:48 EDT

Dry Gas Target: 0.100

Lot Number: AG425201-37 Exp Date: 09/09/2016

Tank Pressure: 325 psi Barometric Pressure: 762 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:49
CHK	0.100	12:49
BLK	0.000	12:51
CHK	0.100	12:52
BLK	0.000	12:53
CHK	0.100	12:54

Test Status: *Success*

Calibration CRC: 237DD915

DBH
JPD



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 HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 07/08/2015
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 13:02 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

FOR COURT

DBA
JPD



IntoxNet MIS Report

Report Generated 09 Jul 2015 at 08:56

Test Results

Instrument Serial Number 010656

Test # 000282 Subject Test

Test Location 1 Department of
Test Date 08 Jul 2015

Test Location 2 Forensic Science
Test Time 12:56
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

Card Serial Number 121250

License Number 21250

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 08 Jul 2015 End Time 13:04

Result Time 13:02

Result Date 08 Jul 2015 Result 0.00

Data Type DIAG
Data Type BLK
Data Type CHK
Data Type BLK
Data Type SUBJ
Data Type BLK
Data Type SUBJ
Data Type BLK

Sample Value Pass
Sample Value 0.000
Sample Value 0.100
Sample Value 0.000
Sample Value 0.000

Sample Time 12:56
Sample Time 12:57
Sample Time 12:58
Sample Time 12:59
Sample Time 13:00
Sample Time 13:01
Sample Time 13:02
Sample Time 13:03

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG425201-37

Standard Expiration Date 09/09/2016

Tank Pressure 316

Barometric Pressure 762 mmHg

Blow Sample Number 1 Blow Duration 3.66 sec

Blow Volume 1833 cc End-of-Blow Time 13:00

Blow Sample Number 2 Blow Duration 4.22 sec

Blow Volume 2095 cc End-of-Blow Time 13:02

Tamper Evident Stamp 4c53ca02

Test Status Code 0

Test Status Success