



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: 010576
CERTIFICATION DATE: January 9, 2014
DATE RECERTIFICATION DUE: July 8, 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 Timmy L. Neece, Jr.]

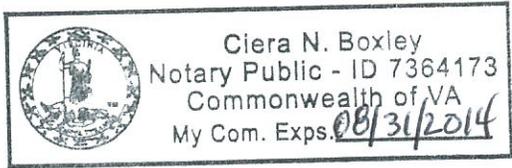
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 15th day of January, 2014 by Timmy L. Neece, Jr.

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

My commission expires: August 31, 2014



msk

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

Instrument Serial Number: 010576

As of 13-Jan-14

Maintenance Date	Certification Date	Technician Initials	Remarks
09-Jan-14	09-Jan-14	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
31-Jul-13	31-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
08-May-13	13-Feb-13	HMS (18910)	REPLACED PRINTER RIBBON.
13-Feb-13	13-Feb-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
30-Aug-12	30-Aug-12	DBH (21250)	CERTIFIED.
14-Mar-12	14-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
20-Sep-11	20-Sep-11	DBH (21250)	CERTIFIED
29-Mar-11	29-Mar-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Oct-10	19-Oct-10	DBH (21250)	CALIBRATED AND CERTIFIED.
04-May-10	04-May-10	DBH (21250)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
17-Nov-09	17-Nov-09	DBH (21250)	CERTIFIED
03-Jun-09	03-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
08-Jan-09	08-Jan-09	DBH (21250)	CERTIFIED.
26-Nov-08	26-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

TLN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010576** Worksheet Start Date **1/9/2014**

Location **Northumberland Co SO**

Address **76 Judicial Place, Heathsville VA, 22473**

DFS Technician **Timmy Neece, Jr** License No. **25387**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **776** Reference Barometer (mm HG) **773**

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	0.306	0.296	0.315	0.308	0.307	0.307
Precision		sample min	sample max			
0.001		0.307	0.308			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.102	0.098	0.105	0.102	0.102	0.102
Precision		sample min	sample max			
0		0.102	0.102			

Dry gas standard Lot No. (with tank no.) **AG332301-26**

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

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

75

Notes:

[Redacted Notes Area]

Instrument Serial Number

010576

Certification Date

1/9/2014

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	0.256
0.250	0.255	0.247	0.262	Sample 2	0.255
Precision		sample min	sample max	Sample 3	0.254
0.002		0.254	0.256		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.153
0.150	0.153	0.148	0.157	Sample 2	0.153
Precision		sample min	sample max	Sample 3	0.152
0.001		0.152	0.153		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.082
0.080	0.082	0.079	0.085	Sample 2	0.082
Precision		sample min	sample max	Sample 3	0.082
0		0.082	0.082		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Date

1-10-14

Issuing Analyst

Date

1-10-14 TEN

MSK

1-13-14

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010576 Test Number: 478

Test Date: 01/09/2014 Test Time: 13:44 EST

Technician Initials: TLN

Dry Gas Target: 0.255

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

Tank Pressure: 419 psi Barometric Pressure: 776 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:44
BLK	0.000	13:45
CHK	0.256	13:46
BLK	0.000	13:47
CHK	0.255	13:48
BLK	0.000	13:50
CHK	0.254	13:51
BLK	0.000	13:52

Success

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

Certification Status: Continued

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010576 Test Number: 479
Test Date: 01/09/2014 Test Time: 13:55 EST

Technician Initials: TLN

Dry Gas Target: 0.153

Lot Number: 06512150I4-04 Exp Date: 04/01/2014

Tank Pressure: 919 psi Barometric Pressure: 776 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:55
BLK	0.000	13:56
CHK	0.153	13:57
BLK	0.000	13:59
CHK	0.153	13:59
BLK	0.000	14:01
CHK	0.152	14:01
BLK	0.000	14:03

Success

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

Certification Status: Continued

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010576 Test Number: 480

Test Date: 01/09/2014 Test Time: 14:05 EST

Technician Initials: TLN

Dry Gas Target: 0.082

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

Tank Pressure: 1041 psi Barometric Pressure: 776 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:06
BLK	0.000	14:07
CHK	0.082	14:07
BLK	0.000	14:09
CHK	0.082	14:09
BLK	0.000	14:11
CHK	0.082	14:11
BLK	0.000	14:13

Success

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

Certification Status: Continued

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010576 Test Number: 481
Test Date: 01/09/2014 Test Time: 14:15 EST

Technician Initials: TLN

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014

Tank Pressure: 95 psi Barometric Pressure: 776 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:15
BLK	0.000	14:16
CHK	0.020	14:17
BLK	0.000	14:18
CHK	0.020	14:19
BLK	0.000	14:20
CHK	0.020	14:21
BLK	0.000	14:22

Success

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

Certification Status: Success

TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010576 Test Number: 482

Test Date: 01/09/2014 Test Time: 14:27 EST

Dry Gas Target: 0.306

Lot Number: AG334603-03 Exp Date: 12/12/2015

Tank Pressure: 522 psi Barometric Pressure: 776 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:27
CHK	0.308	14:28
BLK	0.000	14:30
CHK	0.307	14:31
BLK	0.000	14:33
CHK	0.307	14:33

Test Status: *Success*

Calibration CRC: 9D5EE76A

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010576 Test Number: 483

Test Date: 01/09/2014 Test Time: 14:36 EST

Dry Gas Target: 0.102

Lot Number: AG332301-26 Exp Date: 11/19/2015

Tank Pressure: 1120 psi Barometric Pressure: 776 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:37
CHK	0.102	14:38
BLK	0.000	14:40
CHK	0.102	14:40
BLK	0.000	14:42
CHK	0.102	14:42

Test Status: *Success*

Calibration CRC: 9D5EE76A

TLN



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 NEECE, JR, TIMMY, L		AGENCY DFS Central Lab
DFS LICENSE NUMBER 25387	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/09/2014
TEST EQUIPMENT NUMBER 010576		

RESULTS: TIME SAMPLE TAKEN 14:51 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 10 Jan 2014 at 08:52

Test Results

Instrument Serial Number 010576

Test # 000484 Subject Test					
Test Location 1 Department of		Test Location 2 Forensic Science		Test Location 3	
Test Date 09 Jan 2014		Test Time 14:44		System Check Passed	
Remote/Local Local		Operator's First Name TIMMY		Operator's Middle Initial L	
Operator's Last Name NEECE, JR.		License Number 25387		Expiration Date 10/01/2014	
Agency DFS Central Lab		Effective Date 10/01/2012		Subject's First Name TEST	
Card Serial Number 125387		Subject's Date of Birth 00/00/0000		Subject's Sex Male	
Subject's Last Name INSTRUMENT		Driver's License Expiration 00/00/0000		Court Name DFS	
Subject's Middle Initial		End Date 09 Jan 2014		End Time 14:52	
Subject's Middle Initial		Result Time 14:51		Result Date 09 Jan 2014	
Driver's License Number		Sample Value Pass		Result 0.00	
Driver's License State		Sample Value 0.000		Sample Time 14:45	
End Date 09 Jan 2014		Sample Value 0.102		Sample Time 14:46	
Data Type DIAG		Sample Value 0.000		Sample Time 14:46	
Data Type BLK		Sample Value 0.000		Sample Time 14:48	
Data Type CHK		Sample Value 0.000		Sample Time 14:48	
Data Type BLK		Sample Value 0.000		Sample Time 14:49	
Data Type SUBJ		Sample Value 0.000		Sample Time 14:51	
Data Type BLK		Sample Value 0.000		Sample Time 14:52	
Data Type SUBJ		Sample Value 0.000		Sample Time 14:52	
Data Type BLK		Standard Value 0.102		Standard Expiration Date 11/19/2015	
Standard Type Dry Gas Std		Barometric Pressure 776 mmHg		Blow Sample Number 1	
Standard Lot Number AG332301-26		Blow Volume 2070 cc		Blow Duration 4.18 sec	
Tank Pressure 1120		Blow Volume 2327 cc		Blow Duration 4.43 sec	
Blow Sample Number 1		End-of-Blow Time 14:48		Blow Sample Number 2	
Blow Sample Number 2		End-of-Blow Time 14:51		Blow Sample Number 2	
Blow Duration 4.18 sec		Test Status Code 0		Blow Duration 4.43 sec	
Blow Duration 4.43 sec		Tamper Evident Stamp 8ba5e666		Blow Duration 4.43 sec	
Blow Volume 2070 cc		Test Status Success		Blow Volume 2327 cc	
Blow Volume 2327 cc				Blow Volume 2327 cc	
End-of-Blow Time 14:48				End-of-Blow Time 14:51	
End-of-Blow Time 14:51				End-of-Blow Time 14:51	
Test Status Code 0				Test Status Code 0	