

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
10/1/2013 To 10/8/2014**

HMS
TLN

Instrument Serial Number: 010545

As of 10-Oct-14

| Maintenance Date | Certification Date | Technician Initials | Remarks |
|-------------------------|---------------------------|----------------------------|---|
| 08-Oct-14 | 19-Sep-14 | HMS (18910) | REPLACED UPS BACK-UP BATTERY. |
| 19-Sep-14 | 19-Sep-14 | TLN (25387) | CERTIFIED. |
| 02-Apr-14 | 02-Apr-14 | DBH (21250) | CERTIFIED. |
| 17-Oct-13 | 17-Oct-13 | HMS (18910) | FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD. |

AMS
TLW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010545** Worksheet Start Date **10/8/2014**

Location **Russell County**

Address **42 Court Ave., Lebanon, VA 24266**

DFS Technician **Heather Stanton** License No. **18910**

Laboratory On-Site

Site Specification: No detrimental environmental conditions exist.

Instrument Barometer (mm HG) **707** Reference Barometer (mm HG) **709**

Reference Barometer(RB)Serial # **009113** RB Calibration Due **4/28/2015**

Measurement Assurance Check

| Standard (sea level) | PA Target | minimum | maximum | Sample 1 | Sample 2 | Sample 3 |
|----------------------|-----------|------------|------------|----------|----------|----------|
| 0.300 | 0.279 | 0.270 | 0.287 | 0.283 | 0.282 | 0.281 |
| Precision | | sample min | sample max | | | |
| 0.002 | | 0.281 | 0.283 | | | |

| Standard (sea level) | PA Target | minimum | maximum | Sample 1 | Sample 2 | Sample 3 |
|----------------------|-----------|------------|------------|----------|----------|----------|
| 0.100 | 0.093 | 0.090 | 0.096 | 0.093 | 0.093 | 0.093 |
| Precision | | sample min | sample max | | | |
| 0 | | 0.093 | 0.093 | | | |

Dry gas standard Lot No. (with tank no.) **AG404902-07**

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

- Supplies
- Mouthpieces
- Certificates of Analysis
- Operator Worksheet
- Other:



Notes: Replaced UPS back-up battery.

Instrument Serial Number

010545

Certification Date

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 | | 0.000 | 0.000 | Sample 2 |
| Precision | | sample min | sample max | Sample 3 |
| 0 | | 0.000 | 0.000 | |

| | | | | |
|----------------------|-----------|------------|------------|----------|
| Standard (sea level) | PA Target | minimum | maximum | Sample 1 |
| 0.150 | | 0.000 | 0.000 | Sample 2 |
| Precision | | sample min | sample max | Sample 3 |
| 0 | | 0.000 | 0.000 | |

| | | | | |
|----------------------|-----------|------------|------------|----------|
| Standard (sea level) | PA Target | minimum | maximum | Sample 1 |
| 0.080 | | -0.003 | 0.003 | Sample 2 |
| Precision | | sample min | sample max | Sample 3 |
| 0 | | 0.000 | 0.000 | |

| | | | | |
|----------------------|-----------|------------|------------|----------|
| Standard (sea level) | PA Target | minimum | maximum | Sample 1 |
| 0.020 | | -0.003 | 0.003 | Sample 2 |
| Precision | | sample min | sample max | Sample 3 |
| 0 | | 0.000 | 0.000 | |

All measurements are in g/210L

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

DFS Technician

Heath W. Stark

Date

11/7/14

Issuing Analyst

JPD

Date

11/7/14

HNS
TLJ



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 STANTON, HEATHER, M | | AGENCY DFS Central Lab |
| DFS LICENSE NUMBER 18910 | LICENSE EXPIRES 10/01/2016 | DATE TEST CONDUCTED 10/08/2014 |
| TEST EQUIPMENT NUMBER 010545 | | |

RESULTS: TIME SAMPLE TAKEN 08:26 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

Replaced UPS back-up battery.

*HNS
10/8/14*

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



HMS
TLV

Test Results

Instrument Serial Number 010545

Test # 000696 **Subject Test**

Test Location 1 Department of Forensic Science **Test Location 2** Forensic Science **Test Location 3** Forensic Science
 Test Date 08 Oct 2014 Test Time 08:19 System Check Passed
 Remote/Local Local

Operator's Last Name STANTON **Operator's First Name** HEATHER **Operator's Middle Initial** M
 Agency DFS Central Lab License Number 18910
 Card Serial Number 118910 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 Oct 2014 | End Time 08:27 | Result Time 08:26 | Result Date 08 Oct 2014 | Result 0.00 |
|-----------------------------|-----------------------|--------------------------|--------------------------------|--------------------|

| | | |
|----------------|--------------------|-------------------|
| Data Type DIAG | Sample Value Pass | Sample Time 08:19 |
| Data Type BLK | Sample Value 0.000 | Sample Time 08:20 |
| Data Type CHK | Sample Value 0.094 | Sample Time 08:20 |
| Data Type BLK | Sample Value 0.000 | Sample Time 08:22 |
| Data Type SUBJ | Sample Value 0.000 | Sample Time 08:23 |
| Data Type BLK | Sample Value 0.000 | Sample Time 08:24 |
| Data Type SUBJ | Sample Value 0.000 | Sample Time 08:26 |
| Data Type BLK | Sample Value 0.000 | Sample Time 08:27 |

Standard Type Dry Gas Std Standard Value 0.093
 Standard Lot Number AG404902-07 Standard Expiration Date 02/18/2016
 Tank Pressure 987 Barometric Pressure 707 mmHg

| | | | |
|-----------------------------|-------------------------------|----------------------------|-------------------------------|
| Blow Sample Number 1 | Blow Duration 3.15 sec | Blow Volume 1482 cc | End-of-Blow Time 08:22 |
| Blow Sample Number 2 | Blow Duration 3.45 sec | Blow Volume 1805 cc | End-of-Blow Time 08:23 |
| Blow Sample Number 3 | Blow Duration 3.24 sec | Blow Volume 1779 cc | End-of-Blow Time 08:26 |

Tamper Evident Stamp 63f04a96 **Test Status Code** 0
Test Status Success

HLB
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010545 Test Number: 697

Test Date: 10/08/2014 Test Time: 08:51 EDT

Dry Gas Target: 0.279

Lot Number: AG421201-05 Exp Date: 07/31/2016

Tank Pressure: 188 psi Barometric Pressure: 707 mmHg

System Check: *Passed*

| Test | g/210L | Time |
|------|--------|-------|
| BLK | 0.000 | 08:51 |
| CHK | 0.283 | 08:52 |
| BLK | 0.000 | 08:54 |
| CHK | 0.282 | 08:54 |
| BLK | 0.000 | 08:56 |
| CHK | 0.281 | 08:57 |

Test Status: *Success*

Calibration CRC: 12FC2C8E

AMS
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010545 Test Number: 698

Test Date: 10/08/2014 Test Time: 08:59 EDT

Dry Gas Target: 0.093

Lot Number: AG404902-07 Exp Date: 02/18/2016

Tank Pressure: 977 psi Barometric Pressure: 707 mmHg

System Check: *Passed*

| Test | g/210L | Time |
|------|--------|-------|
| BLK | 0.000 | 09:00 |
| CHK | 0.093 | 09:01 |
| BLK | 0.000 | 09:02 |
| CHK | 0.093 | 09:03 |
| BLK | 0.000 | 09:04 |
| CHK | 0.093 | 09:05 |

Test Status: *Success*

Calibration CRC: 12FC2C8E

Handwritten initials/signature in the top right corner.



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 STANTON, HEATHER, M | | AGENCY DFS Central Lab |
| DFS LICENSE NUMBER 18910 | LICENSE EXPIRES 10/01/2016 | DATE TEST CONDUCTED 10/08/2014 |
| TEST EQUIPMENT NUMBER 010545 | | |

RESULTS: TIME SAMPLE TAKEN 09:12 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



*Handwritten initials: HNS
TLW*

Test Results

Instrument Serial Number 010545

| | | | |
|-------------------------------------|------------------------|---|------------------------------------|
| Test # 000699 | Subject Test | Test Location 2 Forensic Science | Test Location 3 |
| Test Location 1 Department of | | Test Time 09:06 | System Check Passed |
| Test Date 08 Oct 2014 | | Remote/Local Local | |
| Operator's Last Name STANTON | | Operator's First Name HEATHER | Operator's Middle Initial M |
| Agency DFS Central Lab | | License Number 18910 | |
| Card Serial Number 118910 | | 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 Oct 2014 | End Time 09:14 | Result Time 09:12 | Result Date 08 Oct 2014 |
| Data Type DIAG | | Sample Value Pass | Result 0.00 |
| Data Type BLK | | Sample Value 0.000 | Sample Time 09:07 |
| Data Type CHK | | Sample Value 0.093 | Sample Time 09:07 |
| Data Type BLK | | Sample Value 0.000 | Sample Time 09:08 |
| Data Type SUBJ | | Sample Value 0.000 | Sample Time 09:09 |
| Data Type BLK | | Sample Value 0.000 | Sample Time 09:10 |
| Data Type SUBJ | | Sample Value 0.000 | Sample Time 09:11 |
| Data Type BLK | | Sample Value 0.000 | Sample Time 09:12 |
| | | Sample Value 0.000 | Sample Time 09:13 |
| Standard Type Dry Gas Std | | Standard Value 0.093 | |
| Standard Lot Number AG404902-07 | | Standard Expiration Date 02/18/2016 | |
| Tank Pressure 963 | | Barometric Pressure 707 mmHg | |
| Blow Sample Number 1 | Blow Duration 3.31 sec | Blow Volume 1797 cc | End-of-Blow Time 09:10 |
| Blow Sample Number 2 | Blow Duration 3.55 sec | Blow Volume 1752 cc | End-of-Blow Time 09:12 |
| Tamper Evident Stamp 67ae530a | | Test Status Code 0 | |
| Test Status Success | | | |