

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 08/08/2017
Effective: 08/10/2017

Version: DMEF2017 R1
Status: Active

Instrument # 100671

Date: 9/14/17

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Load ticket message

2. Visual Inspection (internal and external)

3. O-ring inspection

4. Troubleshooting/Repair

Deleted corrupt Ticket DB file from SD card.

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100671

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/14/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.75: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 575 psi

| | | |
|-----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 13:17 |
| INTERNAL STANDARD | VERIFIED | 13:17 |
| Xq = 0.100 (1.42%) | | |
| EXTERNAL STANDARD | 0.079 | 13:17 |
| X[1] = 0.0785 (-0.0023) (-0.0012) | | |
| BLANK TEST | 0.000 | 13:18 |
| EXTERNAL STANDARD | 0.079 | 13:18 |
| X[1] = 0.0786 (-0.0020) (-0.0008) | | |
| BLANK TEST | 0.000 | 13:19 |
| EXTERNAL STANDARD | 0.079 | 13:19 |
| X[1] = 0.0788 (-0.0023) (-0.0006) | | |
| BLANK TEST | 0.000 | 13:20 |
| EXTERNAL STANDARD | 0.079 | 13:20 |
| X[1] = 0.0787 (-0.0025) (-0.0006) | | |
| BLANK TEST | 0.000 | 13:21 |
| EXTERNAL STANDARD | 0.079 | 13:21 |
| X[1] = 0.0792 (-0.0019) (-0.0004) | | |
| BLANK TEST | 0.000 | 13:22 |

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

| | |
|-------------------------|--------|
| Sample Chamber = 48.6°C | PASSED |
| (44.0°C - 52.0°C) | |
| Breath Tube = 48.1°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.69 V | PASSED |
| (1.01 V - 2.37 V) | |
| Cooler Voltage = 1.63 V | PASSED |
| (1.00 V - 2.32 V) | |
| Bias Voltage = 80 V | PASSED |
| (47 V - 111 V) | |
| Chopper Freq = 537 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.7 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.610 L/M | PASSED |
| (3.500 L/M - 6.500 L/M) | |

DETECTOR INFO

| | |
|----------------------|--------|
| PUMP ON | PASSED |
| (0.002 V <= 0.010 V) | |
| PUMP OFF | PASSED |
| (0.002 V <= 0.010 V) | |

FILTER INFO

| | |
|----------|--------|
| Filter 1 | PASSED |
| Filter 2 | PASSED |
| Filter 3 | PASSED |

INTERNAL STANDARD

| | | | |
|------------|-------|-----------------|--------|
| Xq = 0.100 | 1.07% | (0.00% - 4.00%) | PASSED |
|------------|-------|-----------------|--------|