

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 04/03/2018  
Effective: 04/04/2018

Version: DMEF2018 R0  
Status: Active

Instrument # 100365

Date: 06/06/2019

Analyst: Derek Walton

1. Reason for instrument evaluation

Preventive maintenance

2. Visual Inspection

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Clean                                | <input checked="" type="checkbox"/> Replace missing screws                |
| <input checked="" type="checkbox"/> Cermetex Box is secure               | <input checked="" type="checkbox"/> Ensure modem cable present            |
| <input checked="" type="checkbox"/> Gas Valve upright or secured to wall | <input checked="" type="checkbox"/> All tubing and connections are secure |

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Added modem cable, Ran filter wires separately. Replaced O-ring.

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 #: 100365

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/06/2019

## External Standard Test Values

## Diagnostic Check

### VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C PASSED  
(44.0°C - 52.0°C)

Breath Tube = 47.9°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 2.12 V PASSED  
(1.26 V - 2.94 V)

Cooler Voltage = 2.07 V PASSED  
(1.25 V - 2.93 V)

Bias Voltage = 80 V PASSED  
(48 V - 112 V)

Chopper Freq = 533 Hz PASSED  
(475 Hz - 575 Hz)

Barometer = 29.7 in

### PUMP INFO

Flow Rate = 4.465 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  
(0.001 V <= 0.010 V)

### FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

### INTERNAL STANDARD

Xq = 0.107 6.21% (0.00% - 4.00%) FAILED

Diagnostic Check Failed