

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 05/15/2020  
Effective: 05/15/2020

Version: DMEF 2020 R0  
Status: Active

Instrument # 100413

Start Date: 03/18/21

Analysts: Derek Walker with  
Carlisle Bailey - trainee

Reason for instrument evaluation

Tank interference, simulator timeout status messages

### 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 |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 O-rings in replacement bag |   |

### Troubleshooting/Repair

Recommend return to manufacturer for repair and <sup>reurbishment</sup> replacement JMW 03/18/21

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- |  |  |
|--|--|
| <input checked="" type="checkbox"/> VOC (attached)                       |  |
| <input type="checkbox"/> Internal Standard value $\leq 3.00\%$ <i>ND</i> |  |
| <input checked="" type="checkbox"/> Verify software version              |  |
| <input checked="" type="checkbox"/> Return to Factory for Repair         | <input type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Ready for Certification                         | <input type="checkbox"/> Proceed to Close Out  |

End Date: 03/18/21

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100413

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/18/2021

## External Standard Test Values

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.9°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.98 V PASSED  
(1.08 V - 2.52 V)  
Cooler Voltage = 1.90 V PASSED  
(0.95 V - 2.23 V)  
Bias Voltage = 78 V PASSED  
(47 V - 111 V)  
Chopper Freq = 513 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.4 in

### PUMP INFO

Flow Rate = 4.885 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 = 0.103 8.53% (0.00% - 4.00%) FAILED

Diagnostic Check Failed