

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2018 R0  
Status: Active

Instrument # 100412

Date: 10/14/19

Analyst: Derek Watten

1. Reason for instrument evaluation

Preventive maintenance due, screen issues

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

O-ring replaced. Loaded full version of 3.02 software.

Screen re-calibrated with no issues.

Ran non-drinking subject test which completed normally.

Screen issues not encountered during evaluation.

Status messages encountered during attempted certification - Ambient fail (2), Blank error (1), Interference Detected (1) on external standard. Recommend calibration.

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

DW 10/14/19

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100412

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/14/2019

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.57: 0.079  
LOT #: AG826101  
EXPIRATION: 09/18/2020  
TANK PRESSURE: 1196 psi

BLANK TEST 0.000 11:46  
INTERNAL STANDARD VERIFIED 11:46  
Xq = 0.104 (0.85%)  
EXTERNAL STANDARD 0.081 11:46  
X[1] = 0.0809 (-0.0020) (-0.0003)  
BLANK TEST 0.000 11:47  
EXTERNAL STANDARD 0.080 11:47  
X[1] = 0.0796 (-0.0023) (-0.0001)  
BLANK TEST 0.000 11:48  
EXTERNAL STANDARD 0.080 11:48  
X[1] = 0.0796 (-0.0018) (-0.0001)  
BLANK TEST 0.000 11:49  
EXTERNAL STANDARD 0.080 11:49  
X[1] = 0.0796 (-0.0020) (-0.0008)  
BLANK TEST 0.000 11:50  
EXTERNAL STANDARD 0.080 11:50  
X[1] = 0.0799 (-0.0020) (-0.0003)  
BLANK TEST 0.000 11:51

Average = 0.0802  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C PASSED  
(44.0°C - 52.0°C)  
Breath Tube = 45.9°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.78 V PASSED  
(1.13 V - 2.65 V)  
Cooler Voltage = 1.69 V PASSED  
(1.00 V - 2.32 V)  
Bias Voltage = 81 V PASSED  
(49 V - 113 V)  
Chopper Freq = 530 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.6 in

### PUMP INFO

Flow Rate = 5.238 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 PASSED

Xq = 0.103 (0.08%) (0.00% - 4.00%)

SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100412  
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Date: 10/14/2019  
Time: 11:56:07

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
DEREK WALTON  
OPERATOR'S #: 9508

DEPT/AGENCY:  
NON-DRINKING SUBJECT  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.57: 0.079  
LOT #: AG826101  
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	11:57
BLANK TEST	0.000	11:57
INTERNAL STANDARD	VERIFIED	11:57
EXTERNAL STANDARD	0.080	11:57
BLANK TEST	0.000	11:58
SUBJECT SAMPLE (Vol=4.43L)	0.000	11:58
BLANK TEST	0.000	11:59
EXTERNAL STANDARD	0.080	12:00
BLANK TEST	0.000	12:00

*DM*

