

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100414

Analyst(s): Carlie Haister

Start Date: 11/19/2021

Reason for instrument evaluation

Instrument used in Breath Test Supervisor Class.

Visual Inspection

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Clean   | <input checked="" type="checkbox"/> Replace missing screws            |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure                            | <input checked="" type="checkbox"/> Ensure modem cable present        |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall                        | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag |   |

Troubleshooting/Repair

Cleared memory & reset options.  
Lee fixed a sheared off screw.

Instrument was certified 11/4/2021. Evaluation shows no changes to instrument from class. Instrument certification is still valid.

VOC was uploaded.

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> VOC (attached)                           | <input checked="" type="checkbox"/> Verify software version              |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq$ 3.00% | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory                                   | <input type="checkbox"/> Ready for Calibration                           |
| <input type="checkbox"/> Ready for Certification                             | <input type="checkbox"/> Proceed to Close Out                            |
| <input type="checkbox"/> Further Evaluation Needed                           |  |

*NA*

End Date: 11/22/2021

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/22/2021

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.23: 0.078  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 642 psi

BLANK TEST 0.000 14:38  
INTERNAL STANDARD ✓ VERIFIED 14:38  
Xq = 0.086 (0.10%)  
EXTERNAL STANDARD 0.077 14:38  
X[1] = 0.0770 (-0.0044) (-0.0010)  
BLANK TEST 0.000 14:39  
EXTERNAL STANDARD 0.077 14:39  
X[1] = 0.0774 (-0.0044) (-0.0015)  
BLANK TEST 0.000 14:40  
EXTERNAL STANDARD 0.077 14:40  
X[1] = 0.0771 (-0.0047) (-0.0010)  
BLANK TEST 0.000 14:41  
EXTERNAL STANDARD 0.077 14:42  
X[1] = 0.0771 (-0.0031) (-0.0002)  
BLANK TEST 0.000 14:42  
EXTERNAL STANDARD 0.077 14:43  
X[1] = 0.0770 (-0.0034) (0.0000)  
BLANK TEST 0.000 14:44

Average = 0.0770  
Std Dev = 0.0000

## 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 = 44.0°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.74 V PASSED  
(1.06 V - 2.48 V)  
Cooler Voltage = 1.79 V PASSED  
(0.97 V - 2.25 V)  
Bias Voltage = 79 V PASSED  
(47 V - 111 V)  
Chopper Freq = 510 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.2 in

### PUMP INFO

Flow Rate = 4.903 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 = 0.087 0.00% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100414

Date: 11/22/2021  
Time: 14:54:02

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
CARLIE GLAISTER  
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.23: 0.078  
LOT #: AG113402  
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	14:55
BLANK TEST	0.000	14:55
INTERNAL STANDARD	VERIFIED	14:55
EXTERNAL STANDARD	0.077	14:55
BLANK TEST	0.000	14:56
SUBJECT SAMPLE (Vol=1.76L)	0.000	14:56
BLANK TEST	0.000	14:57
EXTERNAL STANDARD	0.078	14:58
BLANK TEST	0.000	14:58

CKG

