

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100370

Analyst(s): Carrie Glaister

Start Date: 12/28/2021

### Reason for instrument evaluation

Connectivity issues & unable to output to USB

### 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

Instrument had no issues uploading during check in. Upload/connectivity issues were likely due to the previous agencies modem line & not the instrument.

Replaced oring.

Tested outputting files to a USB & have no issue. Output to USB worked perfectly fine. Issue could have been with the agencies USB.

- |   |  |
|---|--|
| <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 checked="" type="checkbox"/> Ready for Certification                   | <input type="checkbox"/> Proceed to Close Out                            |
| <input type="checkbox"/> Further Evaluation Needed                            |  |

End Date: 12/28/2021

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100370

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/28/2021

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.74: 0.080  
LOT #: AG018102  
EXPIRATION: 06/29/2022  
TANK PRESSURE: 1002 psi

BLANK TEST	0.000	13:25
INTERNAL STANDARD	VERIFIED	13:25
Xq = 0.090 (1.28%)		
EXTERNAL STANDARD	0.079	13:25
X[1] = 0.0788 (0.0004) (0.0008)		
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.079	13:26
X[1] = 0.0788 (0.0004) (0.0010)		
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.079	13:27
X[1] = 0.0793 (0.0003) (0.0006)		
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.080	13:28
X[1] = 0.0798 (0.0007) (0.0011)		
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.079	13:29
X[1] = 0.0795 (0.0006) (0.0002)		
BLANK TEST	0.000	13:30

Average = 0.0792  
Std Dev = 0.0004

## 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 = 46.0°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.90 V	PASSED
(1.06 V - 2.48 V)	
Cooler Voltage = 1.74 V	PASSED
(1.06 V - 2.46 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

### PUMP INFO

Flow Rate = 4.759 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 = 0.090	1.57%	(0.00% - 4.00%)
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SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100370

Date: 12/28/2021  
Time: 13:40:15

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 29.74: 0.080  
LOT #: AG018102  
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	13:41
BLANK TEST	0.000	13:41
INTERNAL STANDARD	VERIFIED	13:41
EXTERNAL STANDARD	0.079	13:41
BLANK TEST	0.000	13:42
SUBJECT SAMPLE (Vol=2.72L)	0.000	13:43
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.078	13:44
BLANK TEST	0.000	13:45

C165

Alcohol(g/210L)  
Flow Rate (L/M)  
Min. Flow Rate (L/M)

