

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100698

Analyst(s): Carlie Glaister

Start Date: 12/27/2021

### Reason for instrument evaluation

Preventative maintenance due

### 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 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

Replaced O-ring.

- |   |  |
|---|--|
| <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: 12/27/2021

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100698

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/27/2021

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.64: 0.079  
LOT #: AG018102  
EXPIRATION: 06/29/2022  
TANK PRESSURE: 790 psi

BLANK TEST	0.000	14:45
INTERNAL STANDARD	VERIFIED	14:45
Xq = 0.118 (2.07%)		
EXTERNAL STANDARD	0.081	14:45
X[1] = 0.0809 (-0.0005) (0.0000)		
BLANK TEST	0.000	14:46
EXTERNAL STANDARD	0.080	14:46
X[1] = 0.0795 (-0.0012) (-0.0008)		
BLANK TEST	0.000	14:47
EXTERNAL STANDARD	0.080	14:47
X[1] = 0.0798 (-0.0013) (0.0004)		
BLANK TEST	0.000	14:48
EXTERNAL STANDARD	0.080	14:49
X[1] = 0.0805 (-0.0007) (0.0000)		
BLANK TEST	0.000	14:49
EXTERNAL STANDARD	0.081	14:50
X[1] = 0.0806 (-0.0004) (0.0004)		
BLANK TEST	0.000	14:51

Average = 0.0804  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 49.0°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.62 V	PASSED
(0.99 V - 2.31 V)	
Cooler Voltage = 1.62 V	PASSED
(1.00 V - 2.34 V)	
Bias Voltage = 80 V	PASSED
(49 V - 113 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

### PUMP INFO

Flow Rate = 4.844 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 = 0.117 1.23% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100698

Date: 12/27/2021  
Time: 14:53:24

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 29.64: 0.079  
LOT #: AG018102  
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	14:54
BLANK TEST	0.000	14:54
INTERNAL STANDARD	VERIFIED	14:54
EXTERNAL STANDARD	0.080	14:54
BLANK TEST	0.000	14:55
SUBJECT SAMPLE (Vol=2.78L)	0.000	15:01
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.080	15:02
BLANK TEST	0.000	15:03

CXG

