

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100387

Analyst(s): Carlie Glaister

Start Date: 2/17/2022

Reason for instrument evaluation

Preventative maintenance

### Visual Inspection

Clean

Replace missing screws

Cermetex Box (modem) is secure

Ensure modem cable present

Double Check Valve secured to wall

All tubing and connections secure

O-ring inspection and ensure 2 replacement O-rings in bag

### Troubleshooting/Repair

Replace o-ring. No modem cable present, installed cable. Added rubber foot to back left corner.

VOC (attached)

Verify software version

VOC Internal Standard value  $\leq 3.00\%$   Non-Drinking Subject Test (attached)

Return to Factory

Ready for Calibration

Ready for Certification

Proceed to Close Out

Further Evaluation Needed

End Date: 2/17/2022

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100387

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/17/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.62: 0.079  
LOT #: AG018102  
EXPIRATION: 06/29/2022  
TANK PRESSURE: 157 psi

BLANK TEST	0.000	13:36
INTERNAL STANDARD	✓ VERIFIED	13:36
Xq = 0.100 (2.33%)		
EXTERNAL STANDARD	0.076	13:36
X[1] = 0.0758 (-0.0015) (0.0009)		
BLANK TEST	0.000	13:37
EXTERNAL STANDARD	0.076	13:38
X[1] = 0.0761 (-0.0015) (0.0011)		
BLANK TEST	0.000	13:38
EXTERNAL STANDARD	0.077	13:39
X[1] = 0.0765 (-0.0011) (0.0010)		
BLANK TEST	0.000	13:40
EXTERNAL STANDARD	0.077	13:40
X[1] = 0.0768 (-0.0005) (0.0002)		
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.077	13:41
X[1] = 0.0768 (-0.0006) (0.0011)		
BLANK TEST	0.000	13:42

Average = 0.0766  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.0°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.64 V	PASSED
(1.03 V - 2.39 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

### PUMP INFO

Flow Rate = 4.802 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 = 0.099 1.43%	PASSED
(0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100387

Date: 02/17/2022  
Time: 13:45:37

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 29.62: 0.079  
LOT #: AG018102  
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	13:46
BLANK TEST	0.000	13:46
INTERNAL STANDARD	VERIFIED	13:46
EXTERNAL STANDARD	0.076	13:47
BLANK TEST	0.000	13:48
SUBJECT SAMPLE (Vol=2.57L)	0.000	13:48
BLANK TEST	0.000	13:49
EXTERNAL STANDARD	0.077	13:49
BLANK TEST	0.000	13:50

CKG

