

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100695

Date: 11/14/19

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Loaner - Returned
Still a certified instrument

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

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

- | | |
|---|--|
| <input type="checkbox"/> Return to Factory for Repair | <input type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |

certified instrument
PM Due 12/25/2021

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100695

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/14/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 28.67: 0.077
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 640 psi

BLANK TEST	0.000	09:42
INTERNAL STANDARD	VERIFIED	09:43
Xq = 0.111 (1.70%)		
EXTERNAL STANDARD	0.078	09:43
X[1] = 0.0776 (-0.0022) (-0.0014)		
BLANK TEST	0.000	09:44
EXTERNAL STANDARD	0.078	09:44
X[1] = 0.0777 (-0.0009) (-0.0011)		
BLANK TEST	0.000	09:45
EXTERNAL STANDARD	0.078	09:45
X[1] = 0.0777 (-0.0019) (-0.0017)		
BLANK TEST	0.000	09:46
EXTERNAL STANDARD	0.077	09:46
X[1] = 0.0771 (-0.0009) (-0.0010)		
BLANK TEST	0.000	09:47
EXTERNAL STANDARD	0.077	09:47
X[1] = 0.0770 (-0.0017) (-0.0003)		
BLANK TEST	0.000	09:48

Average = 0.0776
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.68 V	PASSED
(0.95 V - 2.23 V)	
Cooler Voltage = 1.71 V	PASSED
(0.95 V - 2.21 V)	
Bias Voltage = 79 V	PASSED
(49 V - 113 V)	
Chopper Freq = 552 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 28.7 in	

PUMP INFO

Flow Rate = 4.033 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON	PASSED
(0.003 V <= 0.010 V)	
PUMP OFF	PASSED
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.111 1.86% (0.00% - 4.00%) PASSED