

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100699

Date: 01/07/20

Analyst: Derck Walton

1. Reason for instrument evaluation

Preventive maintenance

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

Replaced O-ring

5 way valve solenoid is not secured to baseplate. Reattached and reinstalled 5 way valve. Appears to operate normally via technician mode.

Routed filter wires separately.

5. VOC (attached)

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

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100699

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/07/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.71: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 779 psi

BLANK TEST	0.000	14:11
INTERNAL STANDARD ✓	VERIFIED	14:11
Xq = 0.074 (0.46%)		
EXTERNAL STANDARD	0.076	14:12
X[1] = 0.0761 (-0.0023) (0.0015)		
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.076	14:13
X[1] = 0.0762 (-0.0034) (0.0005)		
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.076	14:14
X[1] = 0.0762 (-0.0033) (0.0011)		
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.077	14:15
X[1] = 0.0766 (-0.0029) (0.0015)		
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.076	14:16
X[1] = 0.0761 (-0.0025) (0.0014)		
BLANK TEST	0.000	14:17

Average = 0.0762
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 40.7°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 1.53 V (0.92 V - 2.14 V)	PASSED
Cooler Voltage = 1.46 V (0.88 V - 2.04 V)	PASSED
Bias Voltage = 79 V (47 V - 111 V)	PASSED
Chopper Freq = 544 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.322 L/M (3.500 L/M - 6.500 L/M)	PASSED
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DETECTOR INFO

PUMP ON (0.002 V <= 0.010 V)	PASSED
PUMP OFF (0.002 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓	PASSED
Xq = 0.073 2.21% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100699

Date: 01/07/2020

Time: 14:57:08

SUBJECT NAME:

TEST TEST

LICENSE #: XXXX

OPERATOR NAME:

DEREK WALTON

OPERATOR'S #: 9508

DEPT/AGENCY:

NON-DRINKING SUBJECT

CASE/REPORT: XXXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.70: 0.079

LOT #: AG826101

EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	14:59
BLANK TEST	0.000	14:59
INTERNAL STANDARD	VERIFIED	14:59
EXTERNAL STANDARD	0.077	14:59
BLANK TEST	0.000	15:00
SUBJECT SAMPLE (Vol=2.70L)	0.000	15:01
BLANK TEST	0.000	15:02
EXTERNAL STANDARD	0.078	15:02
BLANK TEST	0.000	15:03
SUBJECT SAMPLE (Vol=3.19L)	0.000	15:03
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.077	15:04
BLANK TEST	0.000	15:05
SUBJECT SAMPLE (Vol=3.55L)	0.000	15:05
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.076	15:07
BLANK TEST	0.000	15:07

DW

