

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 05/15/2020
Effective: 05/15/2020

Version: DMEF 2020 R0
Status: Active

Instrument # 100681

Start Date: 07/13/21

Analysts: Dereen Walton

Reason for instrument evaluation

Keyboard not working

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 |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 O-rings in replacement bag | |

Troubleshooting/Repair

Instrument has not been refurbished. Filter wire wrap is flaking - repaired with ~~elect~~^{07/13/21} electrical tape. Reseated connections on modem board and controller board.

Keyboard works normally in all USB ports. Also tested 2nd keyboard with typical results. Other USB devices function normally.

VOC and subject test completed normally.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | |
| <input checked="" type="checkbox"/> Internal Standard value $\leq 3.00\%$ | |
| <input checked="" type="checkbox"/> Verify software version | |
| <input checked="" 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 |

End Date: 07/13/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100681

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/13/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.82: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 580 psi

BLANK TEST	0.000	09:16
INTERNAL STANDARD	✓ VERIFIED	09:16
Xq = 0.107 (0.66%)		
EXTERNAL STANDARD	0.076	09:16
X[1] = 0.0763 (0.0006) (-0.0005)		
BLANK TEST	0.000	09:17
EXTERNAL STANDARD	0.076	09:17
X[1] = 0.0759 (0.0004) (-0.0001)		
BLANK TEST	0.000	09:18
EXTERNAL STANDARD	0.076	09:19
X[1] = 0.0756 (-0.0004) (-0.0001)		
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.076	09:20
X[1] = 0.0757 (-0.0002) (0.0003)		
BLANK TEST	0.000	09:21
EXTERNAL STANDARD	0.076	09:21
X[1] = 0.0759 (0.0001) (0.0004)		
BLANK TEST	0.000	09:22

Average = 0.0760
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(1.02 V - 2.38 V)	
Cooler Voltage = 1.53 V	PASSED
(0.92 V - 2.14 V)	
Bias Voltage = 78 V	PASSED
(47 V - 111 V)	
Chopper Freq = 513 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.330 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 = 0.106 0.00% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100681

Date: 07/13/2021
Time: 09:30:13

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 29.81: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	09:32
BLANK TEST	0.000	09:33
INTERNAL STANDARD	VERIFIED	09:33
EXTERNAL STANDARD	0.076	09:33
BLANK TEST	0.000	09:34
SUBJECT SAMPLE (Vol=2.99L)	0.000	09:34
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.076	09:35
BLANK TEST	0.000	09:36

