

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100402

Start Date: 04/21/21

Analysts: Derck walton

Reason for instrument evaluation

Crashing and not saving tests to memory after a crash

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

Loaded 3.02 software (full version). Instrument still needs to be refurbished. Recommend return to factory

- | | |
|---|--|
| <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: 04/21/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100402

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/21/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.11: 0.081
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 917 psi

BLANK TEST	0.000	11:06
INTERNAL STANDARD	✓ VERIFIED	11:06
Xq = 0.085 (2.74%)		
EXTERNAL STANDARD	0.077	11:07
X[1] = 0.0768 (-0.0018) (0.0026)		
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.076	11:08
X[1] = 0.0760 (-0.0037) (0.0020)		
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.076	11:09
X[1] = 0.0765 (-0.0032) (0.0012)		
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.077	11:10
X[1] = 0.0772 (-0.0022) (0.0015)		
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.077	11:11
X[1] = 0.0770 (-0.0024) (0.0016)		
BLANK TEST	0.000	11:12

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 = 48.9°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 47.1°C (38.0°C - 50.0°C)	PASSED

SETTINGS

Lamp Voltage = 1.77 V (1.11 V - 2.59 V)	PASSED
Cooler Voltage = 1.82 V (0.95 V - 2.23 V)	PASSED
Bias Voltage = 80 V (48 V - 112 V)	PASSED
Chopper Freq = 523 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 30.1 in	

PUMP INFO

Flow Rate = 4.985 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 (0.003 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓	PASSED
Xq = 0.084 1.37% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 04/21/2021
Time: 11:16:02

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 30.10: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	11:17
BLANK TEST	0.000	11:17
INTERNAL STANDARD	VERIFIED	11:17
EXTERNAL STANDARD	0.077	11:17
BLANK TEST	0.000	11:18
SUBJECT SAMPLE (Vol=2.81L)	0.000	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.077	11:20
BLANK TEST	0.000	11:20

DWM

