

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100356

Start Date: 05/12/21

Analysts: Derek Walton

Reason for instrument evaluation

Touch screen freezing

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 needs to be refurbished. Recommend return to factory. Loaded 3.02 full version. Touch screen recalibrated normally.

- VOC (attached)
- Internal Standard value $\leq 3.00\%$
- Verify software version

- Return to Factory for Repair
- Ready for Certification

- Ready for Calibration
- Proceed to Close Out

End Date: 05/12/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100356

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/12/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.93: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 460 psi

BLANK TEST	0.000	11:33
INTERNAL STANDARD	✓ VERIFIED	11:33
Xq = 0.106 (0.50%)		
EXTERNAL STANDARD	0.079	11:33
X[1] = 0.0789 (0.0008) (0.0008)		
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.079	11:34
X[1] = 0.0790 (0.0006) (0.0008)		
BLANK TEST	0.000	11:35
EXTERNAL STANDARD	0.080	11:36
X[1] = 0.0796 (0.0007) (-0.0001)		
BLANK TEST	0.000	11:36
EXTERNAL STANDARD	0.079	11:37
X[1] = 0.0795 (0.0015) (-0.0001)		
BLANK TEST	0.000	11:38
EXTERNAL STANDARD	0.080	11:38
X[1] = 0.0796 (0.0014) (0.0004)		
BLANK TEST	0.000	11:39

Average = 0.0794
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 45.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.66 V PASSED
(0.95 V - 2.21 V)
Cooler Voltage = 1.59 V PASSED
(0.97 V - 2.27 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 513 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.9 in

PUMP INFO

Flow Rate = 4.471 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.001 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 0.08% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 05/12/2021
Time: 11:42:07

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 29.92: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	11:43
BLANK TEST	0.000	11:43
INTERNAL STANDARD	VERIFIED	11:43
EXTERNAL STANDARD	0.080	11:43
BLANK TEST	0.000	11:44
SUBJECT SAMPLE (Vol=2.78L)	0.000	11:45
BLANK TEST	0.000	11:45
EXTERNAL STANDARD	0.080	11:46
BLANK TEST	0.000	11:47

DW

