

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100356

Analyst(s): Carlie Glaister

Start Date: 2/23/2022

Reason for instrument evaluation

Touch screen freezing. Instrument previously marked to be returned to the factory for refurbishment. Instruments are not being sent for refurbishment at this time.

Visual Inspection

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | |

Troubleshooting/Repair

There is noticeable damage to the screen. Replaced O-ring. Replaced screen. Screen removed from instrument to be sent to factory for repair. Screen operated normally during rest of evaluation after replacement.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |
| <input type="checkbox"/> Further Evaluation Needed | |

End Date: 2/23/2022

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100356

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/23/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 885 psi

BLANK TEST	0.000	14:55
INTERNAL STANDARD ✓	VERIFIED	14:55
Xq = 0.107 (0.91%)		
EXTERNAL STANDARD	0.079	14:55
X[1] = 0.0792 (0.0006) (-0.0005)		
BLANK TEST	0.000	14:56
EXTERNAL STANDARD	0.079	14:57
X[1] = 0.0794 (0.0007) (-0.0006)		
BLANK TEST	0.000	14:58
EXTERNAL STANDARD	0.080	14:58
X[1] = 0.0797 (0.0011) (-0.0005)		
BLANK TEST	0.000	14:59
EXTERNAL STANDARD	0.079	14:59
X[1] = 0.0792 (0.0002) (-0.0007)		
BLANK TEST	0.000	15:00
EXTERNAL STANDARD	0.080	15:00
X[1] = 0.0797 (0.0008) (-0.0006)		
BLANK TEST	0.000	15:01

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 = 47.4°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 = 514 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.439 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓
Xq = 0.107 0.91% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100356

Date: 02/23/2022
Time: 15:23:09

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK PASSED 15:24
BLANK TEST 0.000 15:24
INTERNAL STANDARD VERIFIED 15:24
EXTERNAL STANDARD 0.080 15:24
BLANK TEST 0.000 15:25
SUBJECT SAMPLE (Vol=2.11L) 0.000 15:25
BLANK TEST 0.000 15:26
EXTERNAL STANDARD 0.080 15:27
BLANK TEST 0.000 15:28

CVE

