

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100689

Start Date: 09/13/21

Analysts: Derech watten

Reason for instrument evaluation

Regulator leaking

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

Replaced O-ring. Experienced leaking during evaluation.
Replaced regulator. Loaded 3.02 software (full version).

Recommend calibration due to recent factory refurbishment and internal standard offset above 2% DJW 09/15/2021

- VOC (attached)
- Internal Standard value \leq 3.00%
- Verify software version
- Return to Factory for Repair
- Ready for Certification DJW 09/15/2021

- Ready for Calibration
- Proceed to Close Out

End Date: 09/13/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100689

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/13/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.18: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 1189 psi

BLANK TEST	0.000	11:15
INTERNAL STANDARD ✓	VERIFIED	11:15
Xq = 0.085 (2.31%)		
EXTERNAL STANDARD	0.078	11:16
X[1] = 0.0783 (-0.0010) (0.0011)		
BLANK TEST	0.000	11:17
EXTERNAL STANDARD	0.078	11:17
X[1] = 0.0776 (-0.0014) (0.0007)		
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.078	11:18
X[1] = 0.0781 (-0.0006) (0.0016)		
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.078	11:19
X[1] = 0.0776 (-0.0021) (0.0008)		
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.078	11:20
X[1] = 0.0778 (-0.0018) (0.0002)		
BLANK TEST	0.000	11:21

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

VERSIONS ✓
DMT: 3.02
PIC: 3.07
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.65 V	PASSED
(0.99 V - 2.31 V)	
Cooler Voltage = 1.61 V	PASSED
(0.99 V - 2.31 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 516 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 3.856 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 = 0.085 2.41% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100689

Date: 09/13/2021
Time: 11:23:11

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 29.19: 0.078
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK	PASSED	11:24
BLANK TEST	0.000	11:24
INTERNAL STANDARD	VERIFIED	11:24
EXTERNAL STANDARD	0.078	11:24
BLANK TEST	0.000	11:25
SUBJECT SAMPLE (Vol=2.57L)	0.000	11:26
BLANK TEST	0.000	11:26
EXTERNAL STANDARD	0.079	11:27
BLANK TEST	0.000	11:28

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