

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100350

Start Date: 06/16/20

Analysts: Derck Walton

Reason for instrument evaluation

Detector overflow

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

Adjusted lamp voltage, bias, and chopper.

- 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: 06/16/20

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100350

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/16/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 323 psi

BLANK TEST	0.000	14:14
INTERNAL STANDARD	VERIFIED	14:14
Xq = 0.104 (1.03%)		
EXTERNAL STANDARD	0.076	14:14
X[1] = 0.0765 (-0.0018) (0.0000)		
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.076	14:16
X[1] = 0.0765 (-0.0023) (-0.0003)		
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.077	14:17
X[1] = 0.0767 (-0.0021) (-0.0007)		
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.076	14:18
X[1] = 0.0763 (-0.0027) (-0.0006)		
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.076	14:19
X[1] = 0.0763 (-0.0029) (-0.0010)		
BLANK TEST	0.000	14:20

Average = 0.0762
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.94 V	PASSED
(1.09 V - 2.53 V)	
Cooler Voltage = 1.77 V	PASSED
(1.12 V - 2.62 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.417 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓
Xq = 0.104 1.20% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100350

Date: 06/16/2020
Time: 14:33:24

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 29.66: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	14:34
BLANK TEST	0.000	14:34
INTERNAL STANDARD	VERIFIED	14:34
EXTERNAL STANDARD	0.077	14:34
BLANK TEST	0.000	14:35
SUBJECT SAMPLE (Vol=2.93L)	0.000	14:36
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.077	14:37
BLANK TEST	0.000	14:38

DM

