

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 04/03/2018
Effective: 04/04/2018

Version: DMEF2018 R0
Status: Active

Instrument # 100357

Date: 01/07/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Sticky 5 way valve

2. Visual Inspection

Clean

Replace missing screws

Cermetex Box is secure

Ensure modem cable present

Gas Valve upright or secured to wall

All tubing and connections are secure

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Replaced o-ring.

Replaced 5 way valve block assembly.

Routed filter wire separately.

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100357

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/07/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.69: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 982 psi

BLANK TEST	0.000	15:15
INTERNAL STANDARD	✓ VERIFIED	15:16
Xq = 0.088 (0.50%)		
EXTERNAL STANDARD	0.078	15:16
X[1] = 0.0780 (-0.0020) (0.0000)		
BLANK TEST	0.000	15:17
EXTERNAL STANDARD	0.078	15:17
X[1] = 0.0779 (-0.0027) (0.0005)		
BLANK TEST	0.000	15:18
EXTERNAL STANDARD	0.078	15:18
X[1] = 0.0780 (-0.0028) (-0.0001)		
BLANK TEST	0.000	15:19
EXTERNAL STANDARD	0.078	15:19
X[1] = 0.0781 (-0.0028) (-0.0004)		
BLANK TEST	0.000	15:20
EXTERNAL STANDARD	0.078	15:20
X[1] = 0.0777 (-0.0032) (-0.0002)		
BLANK TEST	0.000	15:21

Average = 0.0780
Std Dev = 0.0000

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 = 42.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.83 V	PASSED
(1.07 V - 2.49 V)	
Cooler Voltage = 1.76 V	PASSED
(1.10 V - 2.58 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 515 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.453 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 = 0.088 0.10% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100357

Date: 01/07/2020
 Time: 15:23:19

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 29.70: 0.079
 LOT #: AG826101
 EXPIRATION: 09/18/2020

TEST TYPE	RESULT	TIME
DIAGNOSTIC CHECK	PASSED	15:24
BLANK TEST	0.000	15:24
INTERNAL STANDARD	VERIFIED	15:24
EXTERNAL STANDARD	0.078	15:25
BLANK TEST	0.000	15:25
SUBJECT SAMPLE (Vol=2.59L)	0.003	15:26
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.079	15:27
BLANK TEST	0.000	15:28
SUBJECT SAMPLE (Vol=2.97L)	0.004	15:28
BLANK TEST	0.000	15:29
EXTERNAL STANDARD	0.079	15:29
BLANK TEST	0.000	15:30
SUBJECT SAMPLE (Vol=3.18L)	0.004	15:31
BLANK TEST	0.000	15:32
EXTERNAL STANDARD	0.079	15:32
BLANK TEST	0.000	15:33

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