

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100368

Date: 10/29/19

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Interference detected on subject sample

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

Due to status messages recommend recalibration.

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 #: 100368

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/29/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.65: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 744 psi

BLANK TEST	0.000	11:23
INTERNAL STANDARD	VERIFIED	11:23
EXTERNAL STANDARD	INTERFERENCE	11:23

Interference Detected

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 41.9°C	PASSED

PUMP INFO

Flow Rate = 4.536 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100368

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/29/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.66: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 748 psi

BLANK TEST	0.000	12:19
INTERNAL STANDARD	VERIFIED	12:20
Xq = 0.075 (0.46%)		
EXTERNAL STANDARD	0.080	12:20
X[1] = 0.0800 (-0.0024) (-0.0014)		
BLANK TEST	0.000	12:21
EXTERNAL STANDARD	0.080	12:21
X[1] = 0.0798 (-0.0028) (-0.0012)		
BLANK TEST	0.000	12:22
EXTERNAL STANDARD	0.080	12:22
X[1] = 0.0799 (-0.0031) (-0.0013)		
BLANK TEST	0.000	12:23
EXTERNAL STANDARD	0.080	12:23
X[1] = 0.0805 (-0.0024) (-0.0014)		
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.080	12:24
X[1] = 0.0801 (-0.0025) (-0.0016)		
BLANK TEST	0.000	12:25

Average = 0.0800
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.62 V	PASSED
(0.94 V - 2.20 V)	
Cooler Voltage = 1.73 V	PASSED
(1.06 V - 2.46 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.593 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

Xq = 0.075	0.81%	(0.00% - 4.00%)	PASSED
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