

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100382

Start Date: 11/19/20

Analysts: Dereen Walton

Reason for instrument evaluation

Preventive maintenance due

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

Troubleshooting/Repair

Added modem cable, Replaced o-ring.

- VOC (attached)
- Internal Standard value $\leq 3.00\%$
- Verify software version

- Return to Factory for Repair
- Ready for Calibration
- Ready for Certification
- Proceed to Close Out

End Date: 11/19/20

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100382

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/19/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.57: 0.079
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 1058 psi

BLANK TEST	0.000	13:57
INTERNAL STANDARD	✓ VERIFIED	13:57
Xq = 0.095 (0.09%)		
EXTERNAL STANDARD	0.078	13:57
X[1] = 0.0781 (-0.0019) (-0.0008)		
BLANK TEST	0.000	13:58
EXTERNAL STANDARD	0.078	13:58
X[1] = 0.0780 (-0.0028) (-0.0022)		
BLANK TEST	0.000	13:59
EXTERNAL STANDARD	0.078	13:59
X[1] = 0.0784 (-0.0018) (-0.0012)		
BLANK TEST	0.000	14:00
EXTERNAL STANDARD	0.079	14:01
X[1] = 0.0787 (-0.0005) (-0.0012)		
BLANK TEST	0.000	14:01
EXTERNAL STANDARD	0.078	14:02
X[1] = 0.0785 (-0.0001) (-0.0024)		
BLANK TEST	0.000	14:03

Average = 0.0782
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.3°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.60 V	PASSED
(0.98 V - 2.28 V)	
Cooler Voltage = 1.65 V	PASSED
(1.03 V - 2.39 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 535 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 5.079 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 = 0.096 0.18% (0.00% - 4.00%)	

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100382

Date: 11/19/2020
Time: 14:04:09

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 29.57: 0.079
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK PASSED 14:05
BLANK TEST 0.000 14:05
INTERNAL STANDARD VERIFIED 14:05
EXTERNAL STANDARD 0.079 14:05
BLANK TEST 0.000 14:06
SUBJECT SAMPLE (Vol=3.11L) 0.000 14:07
BLANK TEST 0.000 14:07
EXTERNAL STANDARD 0.080 14:08
BLANK TEST 0.000 14:09

