

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100343

Date: 03/18/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Instrument refurbished by manufacturer, repaired for static analysis error on 0.300 simulators

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

Controller board jumper added by factory.

Subject test on 3/20/20 looked good.

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 #: 100343

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/18/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.83: 0.080
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 863 psi

BLANK TEST	0.000	20:18
INTERNAL STANDARD	✓ VERIFIED	20:18
Xq = 0.090 (0.20%)		
EXTERNAL STANDARD	0.081	20:18
X[1] = 0.0806 (-0.0018) (0.0002)		
BLANK TEST	0.000	20:19
EXTERNAL STANDARD	0.081	20:19
X[1] = 0.0806 (-0.0019) (0.0001)		
BLANK TEST	0.000	20:20
EXTERNAL STANDARD	0.080	20:20
X[1] = 0.0805 (-0.0019) (0.0001)		
BLANK TEST	0.000	20:21
EXTERNAL STANDARD	0.080	20:22
X[1] = 0.0799 (-0.0025) (-0.0002)		
BLANK TEST	0.000	20:22
EXTERNAL STANDARD	0.080	20:23
X[1] = 0.0800 (-0.0021) (0.0001)		
BLANK TEST	0.000	20:24

Average = 0.0804
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02 ✓
PIC: 3.06
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.73 V PASSED
(1.04 V - 2.44 V)
Cooler Voltage = 1.75 V PASSED
(1.05 V - 2.45 V)
Bias Voltage = 80 V PASSED
(49 V - 113 V)
Chopper Freq = 522 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.8 in

PUMP INFO

Flow Rate = 5.049 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.003 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 ✓ PASSED
Xq = 0.089 0.29% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100343

Date: 03/20/2020
Time: 15:58:53

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: XXXX

DEPT/AGENCY:
NON-DRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.05: 0.080
LOT #: AG826101
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	16:00
BLANK TEST	0.000	16:00
INTERNAL STANDARD	VERIFIED	16:00
EXTERNAL STANDARD	0.081	16:00
BLANK TEST	0.000	16:01
SUBJECT SAMPLE (Vol=3.59L)	0.000	16:01
BLANK TEST	0.000	16:02
EXTERNAL STANDARD	0.081	16:03
BLANK TEST	0.000	16:04

MW

