

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2018 R0
Status: Active

Instrument # 100359

Date: 05/21 - 05/22/19

Analyst: Derck Walton

1. Reason for instrument evaluation

Instrument refurbished by manufacturer

2. 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 |

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

4. Troubleshooting/Repair

Reset options. Loaded 3.02 (full version).

Also ran non-drinking subject. Passed.

5. VOC (attached)

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

7. Verify software version

- | | |
|---|--|
| <input type="checkbox"/> Return to Factory for Repair | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100359

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/22/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.74: 0.080
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 598 psi

BLANK TEST	0.000	11:21
INTERNAL STANDARD	VERIFIED	11:21
Xq = 0.100	(1.21%)	
EXTERNAL STANDARD	0.079	11:21
X[1] = 0.0788	(-0.0012) (0.0009)	
BLANK TEST	0.000	11:22
EXTERNAL STANDARD	0.078	11:22
X[1] = 0.0782	(-0.0013) (0.0004)	
BLANK TEST	0.000	11:23
EXTERNAL STANDARD	0.078	11:23
X[1] = 0.0784	(-0.0015) (0.0006)	
BLANK TEST	0.000	11:24
EXTERNAL STANDARD	0.079	11:24
X[1] = 0.0786	(-0.0009) (0.0001)	
BLANK TEST	0.000	11:25
EXTERNAL STANDARD	0.079	11:26
X[1] = 0.0786	(-0.0009) (0.0002)	
BLANK TEST	0.000	11:27

Average = 0.0786
Std Dev = 0.0005

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 = 45.3°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.50 V PASSED
(0.90 V - 2.10 V)
Cooler Voltage = 1.48 V PASSED
(0.89 V - 2.07 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 522 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 4.548 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
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD PASSED

Xq = 0.100 (1.90%) (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100359

Date: 05/22/2019
Time: 11:54:07

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 29.73: 0.080
LOT #: AG826101
EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	11:56
BLANK TEST	0.000	11:56
INTERNAL STANDARD	VERIFIED	11:56
EXTERNAL STANDARD	0.079	11:56
BLANK TEST	0.000	11:57
SUBJECT SAMPLE (Vol=3.86L)	0.000	11:58
BLANK TEST	0.000	11:59
EXTERNAL STANDARD	0.079	11:59
BLANK TEST	0.000	12:00

JM

