

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF 2020 R0
Status: Active

Instrument # 100342

Start Date: 02/03/21

Analysts: Derek Watten

Reason for instrument evaluation

factory refurbished for gas flow errors

Visual Inspection

- Clean
- Cermetex Box is secure
- Gas Valve upright or secured to wall
- O-ring inspection and ensure 2 O-rings in replacement bag
- Replace missing screws
- Ensure modem cable present
- All tubing and connections are secure

*Instrument was not
in the field
JW 02/03/21*

Troubleshooting/Repair

VOC and non-drinking subject tests completed normally.

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

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

End Date: 02/03/21

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100342

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/03/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 1043 psi

BLANK TEST ✓ 0.000 15:02
INTERNAL STANDARD VERIFIED 15:03
Xq = 0.081 (1.16%)
EXTERNAL STANDARD 0.079 15:03
X[1] = 0.0793 (-0.0044) (-0.0023)
BLANK TEST 0.000 15:04
EXTERNAL STANDARD 0.079 15:04
X[1] = 0.0789 (-0.0046) (-0.0015)
BLANK TEST 0.000 15:05
EXTERNAL STANDARD 0.080 15:05
X[1] = 0.0796 (-0.0035) (-0.0016)
BLANK TEST 0.000 15:06
EXTERNAL STANDARD 0.080 15:06
X[1] = 0.0796 (-0.0040) (-0.0015)
BLANK TEST 0.000 15:07
EXTERNAL STANDARD 0.080 15:07
X[1] = 0.0798 (-0.0040) (-0.0011)
BLANK TEST 0.000 15:08

Average = 0.0796
Std Dev = 0.0005

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 = 45.5°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.65 V PASSED
(0.99 V - 2.31 V)
Cooler Voltage = 1.61 V PASSED
(0.97 V - 2.25 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 523 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.7 in

PUMP INFO

Flow Rate = 5.597 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 = 0.082 0.63% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100342

Date: 02/03/2021
Time: 15:15:02

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: 0.079
LOT #: AG923401
EXPIRATION: 08/22/2021

DIAGNOSTIC CHECK PASSED 15:16
BLANK TEST 0.000 15:16
INTERNAL STANDARD VERIFIED 15:16
EXTERNAL STANDARD 0.080 15:16
BLANK TEST 0.000 15:17
SUBJECT SAMPLE (Vol=3.73L) 0.000 15:17
BLANK TEST 0.000 15:18
EXTERNAL STANDARD 0.080 15:18
BLANK TEST 0.000 15:19

