

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100373

Analyst(s): Carlie Pluister

Start Date: 11/19/2021

Reason for instrument evaluation

Instrument returned from training @ APD

Visual Inspection

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input type="checkbox"/> Replace missing screws |
| <input type="checkbox"/> Cermetex Box (modem) is secure | <input type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | |

Troubleshooting/Repair

Reset options.

- | | |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |
| <input type="checkbox"/> Further Evaluation Needed | |

End Date: 11/19/2021

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100373

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/19/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.86: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 1185 psi

BLANK TEST 0.000 12:54
INTERNAL STANDARD ✓ VERIFIED 12:54
Xq = 0.082 (0.64%)
EXTERNAL STANDARD 0.079 12:54
X[1] = 0.0792 (-0.0019) (-0.0015)
BLANK TEST 0.000 12:55
EXTERNAL STANDARD 0.079 12:55
X[1] = 0.0789 (-0.0019) (-0.0004)
BLANK TEST 0.000 12:56
EXTERNAL STANDARD 0.079 12:56
X[1] = 0.0786 (-0.0018) (0.0003)
BLANK TEST 0.000 12:57
EXTERNAL STANDARD 0.078 12:58
X[1] = 0.0784 (-0.0020) (-0.0001)
BLANK TEST 0.000 12:58
EXTERNAL STANDARD 0.079 12:59
X[1] = 0.0787 (-0.0020) (0.0004)
BLANK TEST 0.000 13:00

Average = 0.0788
Std Dev = 0.0004

Diagnostic Check

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

TEMPERATURES

Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.69 V PASSED
(1.03 V - 2.39 V)
Cooler Voltage = 1.69 V PASSED
(0.97 V - 2.25 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 531 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.9 in

PUMP INFO

Flow Rate = 4.798 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 1.07% ✓ (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100373

Date: 11/19/2021
Time: 13:02:20

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.86: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022

DIAGNOSTIC CHECK PASSED 13:03
BLANK TEST 0.000 13:03
INTERNAL STANDARD VERIFIED 13:03
EXTERNAL STANDARD 0.079 13:03
BLANK TEST 0.000 13:04
SUBJECT SAMPLE (Vol=2.45L) 0.000 13:05
BLANK TEST 0.000 13:06
EXTERNAL STANDARD 0.079 13:06
BLANK TEST 0.000 13:07

Handwritten signature

