

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100368

Analyst: Carlie Flaister

Date: 11/7/23

Reason for Adjustment

0.080 & 0.300 standards reading close to 5% during as found.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1176

Verification Performed?

Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/9/23

Blank (Water) Wet Bath Simulator

Serial Number: DR4178

Verification Performed?

Attach "Cal Factors"

Attach Verification of Calibration (VOC)

Internal Standard Value \leq 3.00%

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100368

Date: 11/07/2023
Time: 08:44:24

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.988133 0.800 <= CAL < 1.200
b1 = 0.0013 0.0000 <= b1 < 0.0040
b2 = 0.0068 0.0010 <= b2 < 0.0100
b3 = 0.0008 0.0000 <= b3 < 0.0040
Xq = 0.0758 0.0500 <= Xq < 0.2000
a21 = 1.188153 1.050 <= a21 < 1.300
a31 = 0.433584 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100368

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/07/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.21: 0.078
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 509 psi

| | | |
|----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 09:03 |
| INTERNAL STANDARD | VERIFIED | 09:03 |
| Xq = 0.076 (0.46%) | | |
| EXTERNAL STANDARD | 0.079 | 09:03 |
| X[1] = 0.0793 (-0.0011) (0.0014) | | |
| BLANK TEST | 0.000 | 09:04 |
| EXTERNAL STANDARD | 0.079 | 09:04 |
| X[1] = 0.0795 (-0.0015) (0.0021) | | |
| BLANK TEST | 0.000 | 09:05 |
| EXTERNAL STANDARD | 0.079 | 09:05 |
| X[1] = 0.0794 (-0.0017) (0.0015) | | |
| BLANK TEST | 0.000 | 09:06 |
| EXTERNAL STANDARD | 0.079 | 09:06 |
| X[1] = 0.0794 (-0.0017) (0.0009) | | |
| BLANK TEST | 0.000 | 09:07 |
| EXTERNAL STANDARD | 0.080 | 09:08 |
| X[1] = 0.0801 (-0.0012) (0.0011) | | |
| BLANK TEST | 0.000 | 09:09 |

Average = 0.0792
Std Dev = 0.0004

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 = 45.3°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.65 V | PASSED |
| (0.99 V - 2.31 V) | |
| Cooler Voltage = 1.71 V | PASSED |
| (1.03 V - 2.39 V) | |
| Bias Voltage = 79 V | PASSED |
| (47 V - 111 V) | |
| Chopper Freq = 538 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.2 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.535 L/M | PASSED |
| (3.500 L/M - 6.500 L/M) | |

DETECTOR INFO

| | |
|----------------------|--------|
| PUMP ON | PASSED |
| (0.009 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

| | |
|------------------|--------|
| Xq = 0.076 0.57% | PASSED |
| (0.00% - 4.00%) | |