

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100687

Analyst: Carlie Haister

Date: 1/11/2024

Reason for Adjustment

Internal standard error

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: DR5298

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: 100687

Date: 01/11/2024
Time: 11:02:29

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.993792 0.800 <= CAL < 1.200
b1 = 0.0006 0.0000 <= b1 < 0.0040
b2 = 0.0050 0.0010 <= b2 < 0.0100
b3 = 0.0006 0.0000 <= b3 < 0.0040
Xq = 0.0975 0.0500 <= Xq < 0.2000
a21 = 1.155524 1.050 <= a21 < 1.300
a31 = 0.529186 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100687

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/11/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 438 psi

| | | |
|----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 11:22 |
| INTERNAL STANDARD | VERIFIED | 11:22 |
| Xq = 0.098 (0.63%) | | |
| EXTERNAL STANDARD | 0.079 | 11:22 |
| X[1] = 0.0787 (-0.0006) (0.0021) | | |
| BLANK TEST | 0.000 | 11:23 |
| EXTERNAL STANDARD | 0.078 | 11:24 |
| X[1] = 0.0783 (-0.0013) (0.0012) | | |
| BLANK TEST | 0.000 | 11:24 |
| EXTERNAL STANDARD | 0.078 | 11:25 |
| X[1] = 0.0783 (-0.0013) (0.0016) | | |
| BLANK TEST | 0.000 | 11:26 |
| EXTERNAL STANDARD | 0.078 | 11:26 |
| X[1] = 0.0779 (-0.0014) (0.0020) | | |
| BLANK TEST | 0.000 | 11:27 |
| EXTERNAL STANDARD | 0.079 | 11:27 |
| X[1] = 0.0788 (-0.0007) (0.0020) | | |
| BLANK TEST | 0.000 | 11:28 |

Average = 0.0784
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 = 46.0°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.56 V | PASSED |
| (0.94 V - 2.18 V) | |
| Cooler Voltage = 1.56 V | PASSED |
| (0.94 V - 2.18 V) | |
| Bias Voltage = 80 V | PASSED |
| (48 V - 112 V) | |
| Chopper Freq = 537 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.9 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.685 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

| | |
|------------------|--------|
| Xq = 0.099 1.80% | PASSED |
| (0.00% - 4.00%) | |