

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100343

Analyst: Megan Carlock

Date: 6/18/24

*Supervised casework with
Derek Watten 06/21/24 DMV*

Reason for Adjustment

High internal standard values on Calibration (Rejected) performed on 5/16/24.

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: 100343

Date: 06/18/2024
Time: 11:29:26

OPERATOR NAME:
MEGAN CARLOCK
CERTIFICATE #: 10747

Ca = 0.1000
CAL = 0.985616 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0044 0.0010 <= b2 < 0.0100
b3 = 0.0010 0.0000 <= b3 < 0.0040
Xq = 0.0914 0.0500 <= Xq < 0.2000
a21 = 1.156687 1.050 <= a21 < 1.300
a31 = 0.506827 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100343

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/18/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1098 psi

| | | |
|---------------------------------|----------|-------|
| BLANK TEST | 0.000 | 11:48 |
| INTERNAL STANDARD | VERIFIED | 11:48 |
| Xq = 0.092 (0.19%) | | |
| EXTERNAL STANDARD | 0.080 | 11:49 |
| X[1] = 0.0804 (0.0004) (0.0016) | | |
| BLANK TEST | 0.000 | 11:49 |
| EXTERNAL STANDARD | 0.080 | 11:50 |
| X[1] = 0.0801 (0.0004) (0.0012) | | |
| BLANK TEST | 0.000 | 11:51 |
| EXTERNAL STANDARD | 0.080 | 11:51 |
| X[1] = 0.0803 (0.0001) (0.0006) | | |
| BLANK TEST | 0.000 | 11:52 |
| EXTERNAL STANDARD | 0.080 | 11:52 |
| X[1] = 0.0804 (0.0007) (0.0009) | | |
| BLANK TEST | 0.000 | 11:53 |
| EXTERNAL STANDARD | 0.081 | 11:53 |
| X[1] = 0.0807 (0.0006) (0.0013) | | |
| BLANK TEST | 0.000 | 11:54 |

Average = 0.0802
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.06
Modem: 2.6
Questions: 2.2

TEMPERATURES

| | |
|-------------------------|--------|
| Sample Chamber = 48.7°C | PASSED |
| (44.0°C - 52.0°C) | |
| Breath Tube = 43.2°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.73 V | PASSED |
| (1.04 V - 2.42 V) | |
| Cooler Voltage = 1.75 V | PASSED |
| (1.05 V - 2.45 V) | |
| Bias Voltage = 81 V | PASSED |
| (49 V - 113 V) | |
| Chopper Freq = 529 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.8 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.222 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

| | |
|------------------|--------|
| Xq = 0.091 0.10% | PASSED |
| (0.00% - 4.00%) | |