

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100418

Analyst: Derek Walton

Start Date: 01/08/26

### Reason for Adjustment

Internal standard greater than 3% during repair

### 0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 25041280

Expiration Date: 03/19/27

### Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/27

### 0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

### Blank (Water) Wet Bath Simulator

Serial Number: DR4176

Verification Performed? ☒

- ☒ No ☐ Turn pump on/off in the technician screen to prevent pump error on VOC
- ☒ Attach "Cal Factors"
- ☒ Attach Verification of Calibration (VOC)
- ☒ Internal Standard Value  $\leq$  3.00%

### Next Steps

- ☒ Ready for Calibration ☐ Repair Needed ☐ Adjustment Needed

End Date: 01/08/26

# CALIBRATION FACTORS

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Alaska Department of Public Safety  
DATAMASTER dmt: 100418  
-----

Date: 01/08/2026  
Time: 15:27:06

OPERATOR NAME:  
DEREK WALTON  
CERTIFICATE #: 9508

Ca = 0.1000  
CAL = 0.973659    0.800 <= CAL < 1.200  
b1 = 0.0006    0.0000 <= b1 < 0.0040  
b2 = 0.0065    0.0010 <= b2 < 0.0100  
b3 = 0.0002    0.0000 <= b3 < 0.0040  
Xq = 0.0655    0.0500 <= Xq < 0.2000  
a21 = 1.176891    1.050 <= a21 < 1.300  
a31 = 0.471408    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100418

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 01/08/2026

## External Standard Test Values

## Diagnostic Check

### VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C

PASSED

Breath Tube = 44.4°C

PASSED

### PUMP INFO

Flow Rate = 4.821 L/M

PASSED

### DETECTOR INFO

PUMP ON

FAILED

PUMP OFF

PASSED

### FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

### INTERNAL STANDARD

PASSED

Diagnostic Check Failed

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100418

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/08/2026

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.22: 0.078  
LOT #: AG436502  
EXPIRATION: 12/30/2026  
TANK PRESSURE: 1167 psi

|                                  |          |       |
|----------------------------------|----------|-------|
| BLANK TEST                       | 0.000    | 16:24 |
| INTERNAL STANDARD ✓              | VERIFIED | 16:24 |
| Xq = 0.065 (1.18%)               |          |       |
| EXTERNAL STANDARD                | 0.078    | 16:25 |
| X[1] = 0.0783 (-0.0025) (0.0012) |          |       |
| BLANK TEST                       | 0.000    | 16:26 |
| EXTERNAL STANDARD                | 0.078    | 16:26 |
| X[1] = 0.0782 (-0.0027) (0.0012) |          |       |
| BLANK TEST                       | 0.000    | 16:27 |
| EXTERNAL STANDARD                | 0.078    | 16:27 |
| X[1] = 0.0784 (-0.0030) (0.0013) |          |       |
| BLANK TEST                       | 0.000    | 16:28 |
| EXTERNAL STANDARD                | 0.078    | 16:28 |
| X[1] = 0.0783 (-0.0029) (0.0016) |          |       |
| BLANK TEST                       | 0.000    | 16:29 |
| EXTERNAL STANDARD                | 0.078    | 16:29 |
| X[1] = 0.0785 (-0.0025) (0.0020) |          |       |
| BLANK TEST                       | 0.000    | 16:30 |

Average = 0.0780  
Std Dev = 0.0000

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

|                         |        |
|-------------------------|--------|
| Sample Chamber = 48.9°C | PASSED |
| (44.0°C - 52.0°C)       |        |
| Breath Tube = 44.4°C    | PASSED |
| (38.0°C - 50.0°C)       |        |

### SETTINGS

|                         |        |
|-------------------------|--------|
| Lamp Voltage = 1.86 V   | PASSED |
| (1.12 V - 2.60 V)       |        |
| Cooler Voltage = 1.74 V | PASSED |
| (1.04 V - 2.42 V)       |        |
| Bias Voltage = 80 V     | PASSED |
| (48 V - 112 V)          |        |
| Chopper Freq = 521 Hz   | PASSED |
| (475 Hz - 575 Hz)       |        |
| Barometer = 29.2 in     |        |

### PUMP INFO

|                         |        |
|-------------------------|--------|
| Flow Rate = 4.874 L/M   | PASSED |
| (3.500 L/M - 6.500 L/M) |        |

### DETECTOR INFO

|                      |        |
|----------------------|--------|
| PUMP ON              | PASSED |
| (0.005 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 = 0.065 0.39% (0.00% - 4.00%)