

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100402

Analyst: Derek Walton

Date: 10/22/25

### Reason for Adjustment

Blank error, internal standard error, tank interference  
during repair at the lab. Detector overflow occurred on 1st  
Adjustment attempt. Recommend Calibration for further testing.

### 0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 25CP41280

Expiration Date: 03/19/2027

### 0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

### Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/2027

### Blank (Water) Wet Bath Simulator

Serial Number: DR4176

Verification Performed? ☒

- ☒ 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  $\leq 3.00\%$

# CALIBRATION FACTORS

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100402  
-----

Date: 10/22/2025  
Time: 14:19:44

OPERATOR NAME:  
DEREK WALTON  
CERTIFICATE #: 9508

Ca = 0.1000  
CAL = 0.000000 0.800 <= CAL < 1.200  
b1 = 0.0000 0.0000 <= b1 < 0.0040  
b2 = 0.0000 0.0010 <= b2 < 0.0100  
b3 = 0.0000 0.0000 <= b3 < 0.0040  
Xq = 0.0791 0.0500 <= Xq < 0.2000  
a21 = 0.000000 1.050 <= a21 < 1.300  
a31 = 0.000000 0.300 <= a31 < 0.800

Detector Overflow

# CALIBRATION FACTORS

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100402  
-----

Date: 10/22/2025  
Time: 14:33:20

OPERATOR NAME:  
DEREK WALTON  
CERTIFICATE #: 9508

|     |   |          |        |                |
|-----|---|----------|--------|----------------|
| Ca  | = | 0.1000   |        |                |
| CAL | = | 0.960891 | 0.800  | <= CAL < 1.200 |
| b1  | = | 0.0007   | 0.0000 | <= b1 < 0.0040 |
| b2  | = | 0.0063   | 0.0010 | <= b2 < 0.0100 |
| b3  | = | 0.0009   | 0.0000 | <= b3 < 0.0040 |
| Xq  | = | 0.0792   | 0.0500 | <= Xq < 0.2000 |
| a21 | = | 1.176962 | 1.050  | <= a21 < 1.300 |
| a31 | = | 0.365472 | 0.300  | <= a31 < 0.800 |

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100402

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/22/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 28.48: 0.076

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 254 psi

|                                  |          |       |
|----------------------------------|----------|-------|
| BLANK TEST                       | 0.000    | 14:56 |
| INTERNAL STANDARD ✓              | VERIFIED | 14:56 |
| Xq = 0.080 (0.77%)               |          |       |
| EXTERNAL STANDARD                | 0.075    | 14:56 |
| X[1] = 0.0745 (-0.0006) (0.0013) |          |       |
| BLANK TEST                       | 0.000    | 14:57 |
| EXTERNAL STANDARD                | 0.074    | 14:58 |
| X[1] = 0.0743 (-0.0009) (0.0018) |          |       |
| BLANK TEST                       | 0.000    | 14:58 |
| EXTERNAL STANDARD                | 0.074    | 14:59 |
| X[1] = 0.0743 (-0.0012) (0.0006) |          |       |
| BLANK TEST                       | 0.000    | 15:00 |
| EXTERNAL STANDARD                | 0.074    | 15:00 |
| X[1] = 0.0743 (-0.0015) (0.0017) |          |       |
| BLANK TEST                       | 0.000    | 15:01 |
| EXTERNAL STANDARD                | 0.074    | 15:01 |
| X[1] = 0.0744 (-0.0004) (0.0010) |          |       |
| BLANK TEST                       | 0.000    | 15:02 |

Average = 0.0742

Std Dev = 0.0004

## 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 = 45.9°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.82 V PASSED  
(1.09 V - 2.55 V)

Cooler Voltage = 1.84 V PASSED  
(1.10 V - 2.58 V)

Bias Voltage = 80 V PASSED  
(48 V - 112 V)

Chopper Freq = 525 Hz PASSED  
(475 Hz - 575 Hz)

Barometer = 28.5 in

### PUMP INFO

Flow Rate = 4.856 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 ✓ PASSED

Xq = 0.079 0.11% (0.00% - 4.00%)