

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100255

Analyst: Carlie Haister

Date: 1/11/2024

Reason for Adjustment

The slope failed requirement during calibration.

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: 230631104

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

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Alaska Department of Public Safety  
DATAMASTER dmt: 100255  
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Date: 01/11/2024  
Time: 13:08:11

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca = 0.1000  
CAL = 0.968015    0.800 <= CAL < 1.200  
b1 = 0.0016    0.0000 <= b1 < 0.0040  
b2 = 0.0080    0.0010 <= b2 < 0.0100  
b3 = 0.0013    0.0000 <= b3 < 0.0040  
Xq = 0.0763    0.0500 <= Xq < 0.2000  
a21 = 1.216854    1.050 <= a21 < 1.300  
a31 = 0.431723    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100255

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/11/2024

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.82: 0.080  
LOT #: AG310901  
EXPIRATION: 04/19/2025  
TANK PRESSURE: 332 psi

BLANK TEST	0.000	13:28
INTERNAL STANDARD	VERIFIED	13:28
Xq = 0.077 (0.91%)		
EXTERNAL STANDARD	0.077	13:28
X[1] = 0.0766 (0.0000) (0.0018)		
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.076	13:29
X[1] = 0.0765 (-0.0008) (0.0019)		
BLANK TEST	0.000	13:30
EXTERNAL STANDARD	0.077	13:30
X[1] = 0.0767 (-0.0006) (0.0023)		
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.076	13:31
X[1] = 0.0764 (-0.0013) (0.0015)		
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.076	13:32
X[1] = 0.0765 (-0.0014) (0.0013)		
BLANK TEST	0.000	13:33

Average = 0.0764  
Std Dev = 0.0005

## Diagnostic Check

VERSIONS  
DMT: 3.02  
PIC: 2.05  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.2°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.58 V	PASSED
(0.95 V - 2.21 V)	
Cooler Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 523 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

### PUMP INFO

Flow Rate = 4.756 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.008 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xq = 0.076 0.00% (0.00% - 4.00%)	