

# Alaska Scientific Crime Detection Laboratory

## DataMaster Calibration Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100363

Analyst: Carlie Klaisfox  
Tatiana Malnocke

Date: 08/30/2022

### Reason for Calibration:

Filter 2 values reading greater than 0.0030

### 0.100 Calibration Simulator Solution

Manufacturer: LIFELOC

Lot: 21KP41172

Expiration Date: 11/09/2023

### 0.100 Calibration Wet Bath Simulator

Serial Number: DK4162

Date Calibrated: 11/29/2021

### Blank (Water) Wet Bath Simulator

Serial Number: DK6267

Date Calibrated: 11/29/2021

- Attach Calibration Factors
- Attach Verification of Calibration
- Internal Standard Value  $\leq$  3.00%

CALIBRATION FACTORS

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Alaska Department of Public Safety  
DATAMASTER dmt: 100363  
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Date: 08/30/2022  
Time: 07:45:41

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca = 0.1000  
CAL = 0.976806    0.800 <= CAL < 1.200  
b1 = 0.0009    0.0000 <= b1 < 0.0040  
b2 = 0.0040    0.0010 <= b2 < 0.0100  
b3 = 0.0003    0.0000 <= b3 < 0.0040  
Xq = 0.0803    0.0500 <= Xq < 0.2000  
a21 = 1.070752    1.050 <= a21 < 1.300  
a31 = 0.466291    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100363

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/30/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.50: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 1128 psi

BLANK TEST	0.000	08:05
INTERNAL STANDARD	VERIFIED	08:05
Xq = 0.081 (0.97%)		
EXTERNAL STANDARD	0.078	08:06
X[1] = 0.0784 (-0.0007) (0.0017)		
BLANK TEST	0.000	08:06
EXTERNAL STANDARD	0.078	08:07
X[1] = 0.0784 (-0.0006) (0.0020)		
BLANK TEST	0.000	08:08
EXTERNAL STANDARD	0.078	08:08
X[1] = 0.0782 (-0.0009) (0.0018)		
BLANK TEST	0.000	08:09
EXTERNAL STANDARD	0.078	08:09
X[1] = 0.0777 (-0.0009) (0.0024)		
BLANK TEST	0.000	08:10
EXTERNAL STANDARD	0.078	08:10
X[1] = 0.0781 (-0.0006) (0.0020)		
BLANK TEST	0.000	08:11

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 = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.7°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.77 V	PASSED
(1.06 V - 2.48 V)	
Cooler Voltage = 1.81 V	PASSED
(1.09 V - 2.53 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 519 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

### PUMP INFO

Flow Rate = 4.243 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
(0.003 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.081 1.08% (0.00% - 4.00%)