

# Alaska Scientific Crime Detection Laboratory

## DataMaster Calibration Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100690

Analyst: Carrie Glaister

Date: 12/29/2021

Reason for Calibration:

Tank interference status messages  
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0.100 Calibration Simulator Solution

Manufacturer: Lifeloc

Lot: 21DP41158

Expiration Date: 4/29/2023

0.100 Calibration Wet Bath Simulator

Serial Number: DR5298

Date Calibrated: 6/16/2021

Blank (Water) Wet Bath Simulator

Serial Number: SD1199

Date Calibrated: 6/15/2021

- 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: 100690  
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Date: 12/29/2021  
Time: 12:23:19

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca	=	0.1000			
CAL	=	0.977641	0.800	<=	CAL < 1.200
b1	=	0.0008	0.0000	<=	b1 < 0.0040
b2	=	0.0049	0.0010	<=	b2 < 0.0100
b3	=	0.0003	0.0000	<=	b3 < 0.0040
Xq	=	0.1060	0.0500	<=	Xq < 0.2000
a21	=	1.134893	1.050	<=	a21 < 1.300
a31	=	0.424975	0.300	<=	a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100690

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/29/2021

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.77: 0.080  
LOT #: AG018102  
EXPIRATION: 06/29/2022  
TANK PRESSURE: 1045 psi

BLANK TEST	0.000	12:56
INTERNAL STANDARD	VERIFIED	12:56
Xq = 0.106 (0.41%)		
EXTERNAL STANDARD	0.078	12:56
X[1] = 0.0783 (-0.0009) (0.0023)		
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.078	12:57
X[1] = 0.0782 (-0.0010) (0.0022)		
BLANK TEST	0.000	12:58
EXTERNAL STANDARD	0.078	12:58
X[1] = 0.0784 (-0.0004) (0.0017)		
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.079	12:59
X[1] = 0.0785 (-0.0003) (0.0023)		
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.078	13:01
X[1] = 0.0781 (-0.0009) (0.0022)		
BLANK TEST	0.000	13:01

Average = 0.0782  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.9°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 2.02 V	PASSED
(1.21 V - 2.83 V)	
Cooler Voltage = 1.85 V	PASSED
(1.11 V - 2.59 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

### PUMP INFO

Flow Rate = 4.365 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.001 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

Xq = 0.105	0.58%	(0.00% - 4.00%)	PASSED
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