

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100414

Analyst: Carlie Haister

Date: 1/30/2025

### Reason for Adjustment

Internal Standard errors

0.100 Adjustment Simulator Solution

Manufacturer: Lifelog

Lot: 23IP41233

Expiration Date: 9/20/2025

0.100 Adjustment Wet Bath Simulator

Serial Number: DR4177

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/2025

Blank (Water) Wet Bath Simulator

Serial Number: DR4162

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: 100414  
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Date: 01/30/2025  
Time: 10:23:36

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca = 0.1000  
CAL = 0.988652    0.800 <= CAL < 1.200  
b1 = 0.0007    0.0000 <= b1 < 0.0040  
b2 = 0.0046    0.0010 <= b2 < 0.0100  
b3 = 0.0007    0.0000 <= b3 < 0.0040  
Xq = 0.0897    0.0500 <= Xq < 0.2000  
a21 = 1.148092    1.050 <= a21 < 1.300  
a31 = 0.499071    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100414

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/30/2025

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 30.05: 0.080  
LOT #: AG335202  
EXPIRATION: 12/18/2025  
TANK PRESSURE: 556 psi

BLANK TEST	0.000	10:43
INTERNAL STANDARD	VERIFIED	10:43
Xq = 0.089 (0.78%)		
EXTERNAL STANDARD	0.080	10:43
X[1] = 0.0795 (-0.0006) (0.0019)		
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.079	10:44
X[1] = 0.0787 (-0.0007) (0.0020)		
BLANK TEST	0.000	10:45
EXTERNAL STANDARD	0.079	10:45
X[1] = 0.0794 (0.0005) (0.0017)		
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.079	10:47
X[1] = 0.0790 (0.0000) (0.0011)		
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.080	10:48
X[1] = 0.0798 (0.0006) (0.0015)		
BLANK TEST	0.000	10:49

Average = 0.0794  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.74 V	PASSED
(1.04 V - 2.44 V)	
Cooler Voltage = 1.79 V	PASSED
(1.07 V - 2.51 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 522 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.1 in	

### PUMP INFO

Flow Rate = 5.278 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.004 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

Xq = 0.089 0.39%	PASSED
(0.00% - 4.00%)	