

# Alaska Scientific Crime Detection Laboratory

## DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100405

Analyst: Carlie Glaister

Date: 11/7/23

### Reason for Adjustment

Internal standard error during eval

### 0.100 Adjustment Simulator Solution

Manufacturer: Life10C

Lot: 22HP41201

Expiration Date: 8/24/24

### 0.100 Adjustment Wet Bath Simulator

Serial Number: SD1176

Verification Performed?

### Calibrated External Thermometer

Serial Number: 210958384

Calibration Due Date: 11/9/23

### Blank (Water) Wet Bath Simulator

Serial Number: DR4178

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: 100405  
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Date: 11/07/2023  
Time: 08:56:27

OPERATOR NAME:  
CARLIE GLAISTER  
CERTIFICATE #: 10436

Ca = 0.1000  
CAL = 0.991429    0.800 <= CAL < 1.200  
b1 = 0.0007    0.0000 <= b1 < 0.0040  
b2 = 0.0047    0.0010 <= b2 < 0.0100  
b3 = 0.0002    0.0000 <= b3 < 0.0040  
Xq = 0.0882    0.0500 <= Xq < 0.2000  
a21 = 1.105304    1.050 <= a21 < 1.300  
a31 = 0.485640    0.300 <= a31 < 0.800

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100405

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/07/2023

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.18: 0.078  
LOT #: AG310901  
EXPIRATION: 04/19/2025  
TANK PRESSURE: 644 psi

BLANK TEST	0.000	09:16
INTERNAL STANDARD	VERIFIED	09:16
Xq = 0.088 (0.20%)		
EXTERNAL STANDARD	0.078	09:16
X[1] = 0.0780 (-0.0017) (0.0024)		
BLANK TEST	0.000	09:17
EXTERNAL STANDARD	0.078	09:17
X[1] = 0.0780 (-0.0016) (0.0020)		
BLANK TEST	0.000	09:18
EXTERNAL STANDARD	0.078	09:18
X[1] = 0.0777 (-0.0016) (0.0033)		
BLANK TEST	0.000	09:19
EXTERNAL STANDARD	0.078	09:19
X[1] = 0.0778 (-0.0019) (0.0018)		
BLANK TEST	0.000	09:20
EXTERNAL STANDARD	0.078	09:20
X[1] = 0.0778 (-0.0013) (0.0021)		
BLANK TEST	0.000	09:21

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 = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.3°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.74 V	PASSED
(1.04 V - 2.44 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 516 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

### PUMP INFO

Flow Rate = 5.040 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 = 0.087 0.89% (0.00% - 4.00%)