

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100693

Analyst: Carlie Glaister

Date: 1/30/2025

Reason for Adjustment

Intermittent blank errors

0.100 Adjustment Simulator Solution

Manufacturer: LifeLOC

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

Alaska Department of Public Safety
DATAMASTER dmt: 100693

Date: 01/30/2025
Time: 10:10:38

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 1.004259 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0045 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.0911 0.0500 <= Xq < 0.2000
a21 = 1.154775 1.050 <= a21 < 1.300
a31 = 0.402627 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100693

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/30/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.07: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 971 psi

BLANK TEST	0.000	10:27
INTERNAL STANDARD	VERIFIED	10:27
Xq = 0.091 (0.19%)		
EXTERNAL STANDARD	0.079	10:28
X[1] = 0.0794 (-0.0006) (0.0021)		
BLANK TEST	0.000	10:28
EXTERNAL STANDARD	0.080	10:29
X[1] = 0.0797 (-0.0005) (0.0027)		
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.079	10:30
X[1] = 0.0792 (-0.0010) (0.0019)		
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.080	10:31
X[1] = 0.0797 (-0.0005) (0.0028)		
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.080	10:32
X[1] = 0.0800 (-0.0001) (0.0029)		
BLANK TEST	0.000	10:33

Average = 0.0796
Std Dev = 0.0005

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 = 43.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.67 V	PASSED
(1.00 V - 2.34 V)	
Cooler Voltage = 1.72 V	PASSED
(1.03 V - 2.41 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 535 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.1 in	

PUMP INFO

Flow Rate = 4.619 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.091 0.19%	PASSED
(0.00% - 4.00%)	