

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100392

Analyst: Derek Witten

Start Date: 01/08/26

Reason for Adjustment

Internal Standard greater than 3% on Evaluation

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 25CP41280

Expiration Date: 03/19/27

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/27

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed?

Blank (Water) Wet Bath Simulator

Serial Number: DR4176

Verification Performed?

- Turn pump on/off in the technician screen to prevent pump error on VOC
- Attach "Cal Factors"
- Attach Verification of Calibration (VOC)
- Internal Standard Value \leq 3.00%

Next Steps

Ready for Calibration DJW

Repair Needed

Adjustment Needed

Filter wheel solenoid wires are flaking badly, Adjustment completed normally DJW 01/09/2026

End Date: 01/08/26

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100392

Date: 01/08/2026
Time: 15:22:03

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca = 0.1000
CAL = 0.982362 0.800 <= CAL < 1.200
b1 = 0.0001 0.0000 <= b1 < 0.0040
b2 = 0.0057 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.1000 0.0500 <= Xq < 0.2000
a21 = 1.149226 1.050 <= a21 < 1.300
a31 = 0.389914 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100392

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/08/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.35: 0.078
LOT #: AG436502
EXPIRATION: 12/30/2026
TANK PRESSURE: 1161 psi

BLANK TEST	0.000	15:51
INTERNAL STANDARD ✓	VERIFIED	15:51
Xq = 0.101 (0.79%)		
EXTERNAL STANDARD	0.078	15:51
X[1] = 0.0781 (-0.0021) (0.0022)		
BLANK TEST	0.000	15:52
EXTERNAL STANDARD	0.078	15:52
X[1] = 0.0781 (-0.0016) (0.0023)		
BLANK TEST	0.000	15:53
EXTERNAL STANDARD	0.078	15:54
X[1] = 0.0778 (-0.0028) (0.0012)		
BLANK TEST	0.000	15:55
EXTERNAL STANDARD	0.078	15:55
X[1] = 0.0779 (-0.0025) (0.0021)		
BLANK TEST	0.000	15:56
EXTERNAL STANDARD	0.078	15:56
X[1] = 0.0782 (-0.0023) (0.0015)		
BLANK TEST	0.000	15:57

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	= 46.2 °C	PASSED
(38.0 °C - 50.0 °C)		

SETTINGS

Lamp Voltage	= 1.76 V	PASSED
(1.06 V - 2.46 V)		
Cooler Voltage	= 1.57 V	PASSED
(0.94 V - 2.20 V)		
Bias Voltage	= 80 V	PASSED
(48 V - 112 V)		
Chopper Freq	= 534 Hz	PASSED
(475 Hz - 575 Hz)		
Barometer	= 29.3 in	

PUMP INFO

Flow Rate	= 4.590 L/M	PASSED
(3.500 L/M - 6.500 L/M)		

DETECTOR INFO

PUMP ON	(0.003 V <= 0.010 V)	PASSED
PUMP OFF	(0.002 V <= 0.010 V)	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD ✓

Xq = 0.100 0.18%	(0.00% - 4.00%)	PASSED
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