

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100345

Analyst: Kaya Swisher

Start Date: 2/3/26

Reason for Adjustment

Adjustment needed following solenoid replacement & filter wheel adjustment.

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 25CP41280

Expiration Date: 3/19/2027

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 3/14/27

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 ☐ Repair Needed ☐ Adjustment Needed

End Date: 2/3/26

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100345

Date: 02/03/2026
Time: 11:54:06

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca	=	0.1000		
CAL	=	0.990650	0.800	<= CAL < 1.200
b1	=	0.0009	0.0000	<= b1 < 0.0040
b2	=	0.0064	0.0010	<= b2 < 0.0100
b3	=	0.0012	0.0000	<= b3 < 0.0040
Xq	=	0.0898	0.0500	<= Xq < 0.2000
a21	=	1.150953	1.050	<= a21 < 1.300
a31	=	0.496050	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 02/03/2026

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 28.80: 0.077

LOT #: AG436502

EXPIRATION: 12/30/2026

TANK PRESSURE: 1113 ps_a

BLANK TEST 0.000 12:15

INTERNAL STANDARD VERIFIED 12:15

X_q = 0.091 (0.87%)

EXTERNAL STANDARD 0.077 12:15

X[1] = 0.0771 (-0.0006) (0.0007)

BLANK TEST 0.000 12:16

EXTERNAL STANDARD 0.077 12:17

X[1] = 0.0768 (-0.0019) (0.0011)

BLANK TEST 0.000 12:17

EXTERNAL STANDARD 0.077 12:18

X[1] = 0.0771 (-0.0010) (0.0016)

BLANK TEST 0.000 12:19

EXTERNAL STANDARD 0.077 12:19

X[1] = 0.0769 (-0.0012) (0.0005)

BLANK TEST 0.000 12:20

EXTERNAL STANDARD 0.077 12:20

X[1] = 0.0773 (-0.0013) (0.0017)

BLANK TEST 0.000 12:21

Average = 0.0770

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 = 47.4°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.70 V PASSED
(1.02 V - 2.38 V)

Cooler Voltage = 1.66 V PASSED
(1.00 V - 2.32 V)

Bias Voltage = 80 V PASSED
(48 V - 112 V)

Chopper Freq = 536 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 28.8 in

PUMP INFO

Flow Rate = 4.072 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

(0.001 V ≤ 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD

X_q = 0.090 0.19% PASSED
(0.00% - 4.00%)