

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100381

Analyst: Carlie Glaister

Start Date: 12/8/25

Reason for Adjustment

Calibration did not pass due to linearity, slope being out of range.

0.100 Adjustment Simulator Solution

Manufacturer: Life10C

Lot: 25CP41280

Expiration Date: 3/19/27

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: 12/8/25

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100381

Date: 12/08/2025
Time: 10:56:13

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca	=	0.1000		
CAL	=	0.983936	0.800	<= CAL < 1.200
b1	=	0.0003	0.0000	<= b1 < 0.0040
b2	=	0.0043	0.0010	<= b2 < 0.0100
b3	=	0.0002	0.0000	<= b3 < 0.0040
Xq	=	0.0922	0.0500	<= Xq < 0.2000
a21	=	1.102569	1.050	<= a21 < 1.300
a31	=	0.421738	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100381

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/08/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.27: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 262 psi

BLANK TEST	0.000	11:17
INTERNAL STANDARD	VERIFIED	11:17
Xq = 0.092 (0.57%)		
EXTERNAL STANDARD	0.077	11:17
X[1] = 0.0770 (-0.0013) (0.0015)		
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.078	11:18
X[1] = 0.0781 (-0.0006) (0.0019)		
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.078	11:19
X[1] = 0.0781 (-0.0014) (0.0015)		
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.078	11:20
X[1] = 0.0782 (-0.0008) (0.0023)		
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.079	11:22
X[1] = 0.0785 (-0.0003) (0.0021)		
BLANK TEST	0.000	11:22

Average = 0.0780

Std Dev = 0.0007

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 49.1°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 47.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.73 V PASSED
(1.04 V - 2.42 V)

Cooler Voltage = 1.63 V PASSED
(0.98 V - 2.28 V)

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

Chopper Freq = 526 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.3 in

PUMP INFO

Flow Rate = 4.708 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 = 0.092 0.19% (0.00% - 4.00%) PASSED