

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 11/24/2025

Version: 4.0

Instrument #: 100687

Analyst: Charlie Glaister

Start Date: 12/8/25

Reason for Adjustment

Internal standard errors

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: 100687

Date: 12/08/2025
Time: 10:59:28

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca	=	0.1000			
CAL	=	1.001978	0.800	<=	CAL < 1.200
b1	=	0.0005	0.0000	<=	b1 < 0.0040
b2	=	0.0058	0.0010	<=	b2 < 0.0100
b3	=	0.0006	0.0000	<=	b3 < 0.0040
Xq	=	0.0938	0.0500	<=	Xq < 0.2000
a21	=	1.157053	1.050	<=	a21 < 1.300
a31	=	0.530116	0.300	<=	a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100687

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/08/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.24: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1075 psi

BLANK TEST	0.000	11:39
INTERNAL STANDARD	VERIFIED	11:39
Xq = 0.094 (0.09%)		
EXTERNAL STANDARD	0.078	11:39
X[1] = 0.0782 (-0.0017) (0.0024)		
BLANK TEST	0.000	11:40
EXTERNAL STANDARD	0.078	11:40
X[1] = 0.0778 (-0.0017) (0.0031)		
BLANK TEST	0.000	11:41
EXTERNAL STANDARD	0.078	11:41
X[1] = 0.0777 (-0.0020) (0.0029)		
BLANK TEST	0.000	11:42
EXTERNAL STANDARD	0.078	11:42
X[1] = 0.0782 (-0.0016) (0.0027)		
BLANK TEST	0.000	11:43
EXTERNAL STANDARD	0.078	11:43
X[1] = 0.0779 (-0.0020) (0.0027)		
BLANK TEST	0.000	11:44

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 = 45.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Cooler Voltage = 1.56 V	PASSED
(0.94 V - 2.18 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 540 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.496 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 = 0.094 0.09% (0.00% - 4.00%)	PASSED
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