

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100421

Analyst: Derch Watton

Date: 10/20/25

Reason for Adjustment

Internal standard ^{DM} errors in the field

0.100 Adjustment Simulator Solution

Manufacturer: LifeLoc

Lot: 25CP41280

Expiration Date: 03/19/2027

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 03/14/2027

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 $\leq 3.00\%$

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100421

Date: 10/20/2025
Time: 12:44:11

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca	=	0.1000		
CAL	=	0.990551	0.800	<= CAL < 1.200
b1	=	0.0018	0.0000	<= b1 < 0.0040
b2	=	0.0051	0.0010	<= b2 < 0.0100
b3	=	0.0012	0.0000	<= b3 < 0.0040
Xq	=	0.0987	0.0500	<= Xq < 0.2000
a21	=	1.124461	1.050	<= a21 < 1.300
a31	=	0.458046	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100421

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/20/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.20: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 862 psi

BLANK TEST 0.000 13:09
INTERNAL STANDARD ✓ VERIFIED 13:09
Xq = 0.100 (1.16%)
EXTERNAL STANDARD 0.079 13:09
X[1] = 0.0789 (-0.0011) (0.0022)
BLANK TEST 0.000 13:10
EXTERNAL STANDARD 0.078 13:10
X[1] = 0.0784 (-0.0017) (0.0020)
BLANK TEST 0.000 13:11
EXTERNAL STANDARD 0.079 13:11
X[1] = 0.0788 (-0.0004) (0.0007)
BLANK TEST 0.000 13:12
EXTERNAL STANDARD 0.079 13:12
X[1] = 0.0788 (-0.0007) (0.0003)
BLANK TEST 0.000 13:13
EXTERNAL STANDARD 0.079 13:14
X[1] = 0.0786 (-0.0007) (0.0009)
BLANK TEST 0.000 13:14

Average = 0.0788

Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 42.9°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.74 V PASSED
(1.04 V - 2.44 V)

Cooler Voltage = 1.80 V PASSED
(1.08 V - 2.52 V)

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

Chopper Freq = 528 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.2 in

PUMP INFO

Flow Rate = 4.628 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED

(0.006 V <= 0.010 V)

PUMP OFF PASSED

(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED

Filter 2 PASSED

Filter 3 PASSED

INTERNAL STANDARD ✓ PASSED

Xq = 0.099 0.00% (0.00% - 4.00%)