

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100682

Analyst: Cardie Glaister

Date: 11/1/25

Reason for Adjustment

Replaced detector after inconsistent internal standard reading & maxed lamp/cooler.

0.100 Adjustment Simulator Solution

Manufacturer: Lifecloc

Lot: 25CP41280

Expiration Date: 3/19/27

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 3/14/27

Blank (Water) Wet Bath Simulator

Serial Number: DR4174

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: 100682

Date: 11/04/2025
Time: 12:07:17

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.000000 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0000 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.0847 0.0500 <= Xq < 0.2000
a21 = 0.000000 1.050 <= a21 < 1.300
a31 = 0.000000 0.300 <= a31 < 0.800

Simulator Timed Out

1st Adjustment attempted and repair. Detector replaced after this attempt. See 100682-2025-11-04-Repair.
Repair was completed after this. On 11/4/25.

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100682

Date: 11/04/2025
Time: 13:22:36

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.986709 0.800 <= CAL < 1.200
b1 = 0.0014 0.0000 <= b1 < 0.0040
b2 = 0.0060 0.0010 <= b2 < 0.0100
b3 = 0.0008 0.0000 <= b3 < 0.0040
Xq = 0.1037 0.0500 <= Xq < 0.2000
a21 = 1.119251 1.050 <= a21 < 1.300
a31 = 0.455645 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100682

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/04/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.10: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 539 psi

BLANK TEST	0.000	13:40
INTERNAL STANDARD	VERIFIED	13:40
Xq = 0.106 (1.87%)		
EXTERNAL STANDARD	0.081	13:41
X[1] = 0.0808 (0.0012) (0.0022)		
BLANK TEST	0.000	13:41
EXTERNAL STANDARD	0.079	13:42
X[1] = 0.0788 (-0.0008) (0.0016)		
BLANK TEST	0.000	13:43
EXTERNAL STANDARD	0.079	13:43
X[1] = 0.0791 (-0.0010) (0.0015)		
BLANK TEST	0.000	13:44
EXTERNAL STANDARD	0.079	13:44
X[1] = 0.0789 (-0.0008) (0.0022)		
BLANK TEST	0.000	13:45
EXTERNAL STANDARD	0.079	13:45
X[1] = 0.0791 (-0.0009) (0.0015)		
BLANK TEST	0.000	13:46

Average = 0.0794

Std Dev = 0.0009

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

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

Breath Tube = 47.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.45 V PASSED
(1.47 V - 3.43 V)

Cooler Voltage = 1.94 V PASSED
(1.16 V - 2.72 V)

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

Chopper Freq = 529 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.834 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.004 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

Xq = 0.106 2.37% (0.00% - 4.00%) PASSED