

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100355

Analyst: Derek Walton

Date: 06/16/25

Reason for Adjustment

Filters cleaned

0.100 Adjustment Simulator Solution

Manufacturer: Lifetec

Lot: 23IP41233

Expiration Date: 09/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR5298

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 09/19/25

Blank (Water) Wet Bath Simulator

Serial Number: SD122

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: 100355

Date: 06/16/2025
Time: 14:41:48

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca = 0.1000
CAL = 1.006108 0.800 <= CAL < 1.200
b1 = 0.0010 0.0000 <= b1 < 0.0040
b2 = 0.0043 0.0010 <= b2 < 0.0100
b3 = 0.0010 0.0000 <= b3 < 0.0040
Xq = 0.0803 0.0500 <= Xq < 0.2000
a21 = 1.201392 1.050 <= a21 < 1.300
a31 = 0.540869 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100355

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/16/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.55: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 682 psi

BLANK TEST	0.000	15:09
INTERNAL STANDARD	VERIFIED	15:09
Xq = 0.081 (0.32%)		
EXTERNAL STANDARD	0.078	15:09
X[1] = 0.0776 (0.0003) (0.0022)		
BLANK TEST	0.000	15:10
EXTERNAL STANDARD	0.078	15:10
X[1] = 0.0778 (0.0007) (0.0013)		
BLANK TEST	0.000	15:11
EXTERNAL STANDARD	0.078	15:12
X[1] = 0.0778 (0.0008) (0.0016)		
BLANK TEST	0.000	15:12
EXTERNAL STANDARD	0.078	15:13
X[1] = 0.0782 (0.0014) (0.0016)		
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.078	15:14
X[1] = 0.0781 (0.0014) (0.0024)		
BLANK TEST	0.000	15:15

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 = 40.8°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.69 V PASSED
(1.01 V - 2.37 V)

Cooler Voltage = 2.05 V PASSED
(1.22 V - 2.86 V)

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

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

Barometer = 29.6 in

PUMP INFO

Flow Rate = 5.203 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 PASSED

Xq = 0.082 1.51% (0.00% - 4.00%)