

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100360

Analyst: Carlie Haister

Date: 1/11/2024

Reason for Adjustment

Internal standard error

0.100 Adjustment Simulator Solution

Manufacturer: Lifec

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631104

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: DR5298

Verification Performed?

- Attach "Cal Factors"
- Attach Verification of Calibration (VOC)
- Internal Standard Value \leq 3.00%

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/11/2024
Time: 12:40:30

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.977991 0.800 <= CAL < 1.200
b1 = 0.0007 0.0000 <= b1 < 0.0040
b2 = 0.0070 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.1185 0.0500 <= Xq < 0.2000
a21 = 1.221879 1.050 <= a21 < 1.300
a31 = 0.504197 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100360

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/11/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.89: 0.080
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 555 psi

BLANK TEST	0.000	13:08
INTERNAL STANDARD	VERIFIED	13:08
Xq = 0.119 (0.75%)		
EXTERNAL STANDARD	0.079	13:08
X[1] = 0.0787 (-0.0013) (0.0008)		
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.078	13:09
X[1] = 0.0785 (-0.0012) (0.0015)		
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.079	13:10
X[1] = 0.0787 (-0.0019) (0.0011)		
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.078	13:11
X[1] = 0.0784 (-0.0010) (0.0013)		
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.079	13:12
X[1] = 0.0788 (-0.0016) (0.0011)		
BLANK TEST	0.000	13:13

Average = 0.0786
Std Dev = 0.0005

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 = 42.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.95 V	PASSED
(1.17 V - 2.73 V)	
Cooler Voltage = 1.66 V	PASSED
(1.00 V - 2.32 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.797 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.007 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 = 0.120 0.97% (0.00% - 4.00%)	