

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100 343

Analyst: Kaya Swisher

Date: 11/6/24

Reason for Adjustment

failed calibration, linearity slope greater than 1.00 +/- 0.030.

0.100 Adjustment Simulator Solution

Manufacturer: Lifeloc

Lot: 231P41233

Expiration Date: 9/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR4176

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: SD1176

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: 100343

Date: 11/06/2024
Time: 14:11:28

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.989777 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0053 0.0010 <= b2 < 0.0100
b3 = 0.0004 0.0000 <= b3 < 0.0040
Xq = 0.0918 0.0500 <= Xq < 0.2000
a21 = 1.158225 1.050 <= a21 < 1.300
a31 = 0.507724 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100343

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/06/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.13: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 824 psi

BLANK TEST	0.000	14:34
INTERNAL STANDARD	VERIFIED	14:35
Xq = 0.092 (0.19%)		
EXTERNAL STANDARD	0.079	14:35
X[1] = 0.0787 (-0.0004) (0.0005)		
BLANK TEST	0.000	14:36
EXTERNAL STANDARD	0.079	14:36
X[1] = 0.0789 (-0.0005) (0.0013)		
BLANK TEST	0.000	14:37
EXTERNAL STANDARD	0.078	14:37
X[1] = 0.0785 (-0.0007) (0.0010)		
BLANK TEST	0.000	14:38
EXTERNAL STANDARD	0.079	14:38
X[1] = 0.0786 (-0.0006) (0.0017)		
BLANK TEST	0.000	14:39
EXTERNAL STANDARD	0.078	14:39
X[1] = 0.0784 (-0.0009) (0.0016)		
BLANK TEST	0.000	14:40

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.06
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.84 V	PASSED
(1.10 V - 2.58 V)	
Cooler Voltage = 1.78 V	PASSED
(1.07 V - 2.49 V)	
Bias Voltage = 81 V	PASSED
(48 V - 112 V)	
Chopper Freq = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.175 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.003 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 = 0.091	0.48%	(0.00% - 4.00%)	PASSED
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