

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100696

Analyst: Megan Carlock

Date: 6/18/24

*Supervised casework with
Derek Watten 06/21/24 DM*

Reason for Adjustment

Internal standard values near 3% on Evaluation performed on
5/7/24.

0.100 Adjustment Simulator Solution

Manufacturer: Lifedoc

Lot: 22HP41201

Expiration Date: 8/24/24

0.100 Adjustment Wet Bath Simulator

Serial Number: SD1198

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

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: 100696

Date: 06/18/2024
Time: 10:44:23

OPERATOR NAME:
MEGAN CARLOCK
CERTIFICATE #: 10747

Ca = 0.1000
CAL = 0.978091 0.800 <= CAL < 1.200
b1 = 0.0008 0.0000 <= b1 < 0.0040
b2 = 0.0050 0.0010 <= b2 < 0.0100
b3 = 0.0008 0.0000 <= b3 < 0.0040
Xq = 0.1062 0.0500 <= Xq < 0.2000
a21 = 1.179483 1.050 <= a21 < 1.300
a31 = 0.478870 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100696

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/18/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1009 psi

BLANK TEST	0.000	11:03
INTERNAL STANDARD	VERIFIED	11:04
Xq = 0.107 (0.50%)		
EXTERNAL STANDARD	0.078	11:04
X[1] = 0.0779 (0.0007) (0.0021)		
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.078	11:05
X[1] = 0.0782 (0.0012) (0.0026)		
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.078	11:06
X[1] = 0.0779 (0.0003) (0.0018)		
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.078	11:07
X[1] = 0.0785 (0.0004) (0.0019)		
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.078	11:08
X[1] = 0.0784 (0.0005) (0.0016)		
BLANK TEST	0.000	11:09

Average = 0.0780
Std Dev = 0.0000

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 43.6°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Cooler Voltage = 1.69 V	PASSED
(1.01 V - 2.37 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 532 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.869 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

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