

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100676

Analyst: Megan Carlock

Date: 6/18/24

*Supervised casework with
Derek Walton 06/21/24 DMV*

Reason for Adjustment

High internal standard values on Calibration (Rejected) performed on 6/17/24.
Second adjustment performed for competency supervised casework due
to a lack of instruments ready for adjustment.

0.100 Adjustment Simulator Solution

Manufacturer: Lifedoc
MNC 6/18/24

Lot: 22HP412101 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: 100676

Date: 06/18/2024
Time: 12:01:24

OPERATOR NAME:
MEGAN CARLOCK
CERTIFICATE #: 10747

Ca = 0.1000
CAL = 1.007862 0.800 <= CAL < 1.200
b1 = 0.0008 0.0000 <= b1 < 0.0040
b2 = 0.0055 0.0010 <= b2 < 0.0100
b3 = 0.0006 0.0000 <= b3 < 0.0040
Xq = 0.0907 0.0500 <= Xq < 0.2000
a21 = 1.234429 1.050 <= a21 < 1.300
a31 = 0.571716 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100676

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 06/18/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.88: 0.080
LOT #: AG310901
EXPIRATION: 04/19/2025
TANK PRESSURE: 446 psi

BLANK TEST	0.000	12:19
INTERNAL STANDARD	VERIFIED	12:19
Xq = 0.091 (0.10%)		
EXTERNAL STANDARD	0.079	12:19
X[1] = 0.0787 (0.0002) (0.0017)		
BLANK TEST	0.000	12:20
EXTERNAL STANDARD	0.079	12:21
X[1] = 0.0788 (0.0008) (0.0015)		
BLANK TEST	0.000	12:21
EXTERNAL STANDARD	0.079	12:22
X[1] = 0.0793 (0.0012) (0.0017)		
BLANK TEST	0.000	12:23
EXTERNAL STANDARD	0.079	12:23
X[1] = 0.0786 (-0.0002) (0.0014)		
BLANK TEST	0.000	12:24
EXTERNAL STANDARD	0.079	12:24
X[1] = 0.0788 (0.0007) (0.0018)		
BLANK TEST	0.000	12:25

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.8°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.64 V	PASSED
(0.98 V - 2.30 V)	
Cooler Voltage = 1.69 V	PASSED
(1.02 V - 2.38 V)	
Bias Voltage = 78 V	PASSED
(47 V - 109 V)	
Chopper Freq = 536 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.123 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 = 0.090	0.67%	(0.00% - 4.00%)
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