

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

Issued: 4/12/2018
Effective: 4/13/2018

Version: DMCAF 2018 R0
Status: Active

Instrument # 100413

Analyst Carlie Bailey
Dereen Walton

Date: 5/19/2021

Reason for Calibration

Internal standard > 4%

1. Wet Bath Simulator Solution

- a. Level 0.100
- b. Manufacturer Lifeloc
- c. Lot 20AP41118
- d. Expiration Date 1/15/2022

2. Wet Bath Simulator

- a. Serial Number DR4163
- b. Date Calibrated 11/17/2020

3. Attach Calibration Factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100413

Date: 05/19/2021
Time: 11:40:05

OPERATOR NAME:
CARLIE BAILEY
CERTIFICATE #: 100436

Ca = 0.1000
CAL = 0.995491 0.800 <= CAL < 1.200
b1 = 0.0007 0.0000 <= b1 < 0.0040
b2 = 0.0043 0.0010 <= b2 < 0.0100
b3 = 0.0010 0.0000 <= b3 < 0.0040
Xq = 0.1051 0.0500 <= Xq < 0.2000
a21 = 1.140863 1.050 <= a21 < 1.300
a31 = 0.447182 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100413

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/19/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.83: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 1108 psi

BLANK TEST	0.000	12:00
INTERNAL STANDARD	✓ VERIFIED	12:01
Xq = 0.106 (0.67%)		
EXTERNAL STANDARD	0.080	12:01
X[1] = 0.0799 (-0.0028) (0.0013)		
BLANK TEST	0.000	12:02
EXTERNAL STANDARD	0.079	12:02
X[1] = 0.0794 (-0.0008) (0.0006)		
BLANK TEST	0.000	12:03
EXTERNAL STANDARD	0.080	12:03
X[1] = 0.0795 (-0.0008) (0.0011)		
BLANK TEST	0.000	12:04
EXTERNAL STANDARD	0.079	12:04
X[1] = 0.0792 (-0.0015) (0.0011)		
BLANK TEST	0.000	12:05
EXTERNAL STANDARD	0.080	12:05
X[1] = 0.0798 (-0.0004) (0.0010)		
BLANK TEST	0.000	12:06

Average = 0.0796
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.92 V	PASSED
(1.15 V - 2.69 V)	
Cooler Voltage = 1.87 V	PASSED
(1.12 V - 2.62 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 5.304 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 = 0.106	1.09%	(0.00% - 4.00%)