

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

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

Version: DMCAF 2018 R0
Status: Active

Instrument # 100416

Analyst Brandi Barnett

Date: 7/26/21

Reason for Calibration

Internal Standard errors. Was not sent back for refurbishment at this time.

1. Wet Bath Simulator Solution

- a. Level 0.100
- b. Manufacturer Lifeloc
- c. Lot 21DP41158
- d. Expiration Date 4/29/23

2. Wet Bath Simulator

- a. Serial Number DR5298
- b. Date Calibrated 06/16/21

3. Attach Calibration Factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100416

Date: 07/26/2021
Time: 15:02:02

OPERATOR NAME:
BRANDI BARNETT
CERTIFICATE #: 7038

Ca = 0.1000
CAL = 0.956871 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0049 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.0794 0.0500 <= Xq < 0.2000
a21 = 1.181703 1.050 <= a21 < 1.300
a31 = 0.556021 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/26/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.74: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 874 psi

BLANK TEST	0.000	15:23
INTERNAL STANDARD	VERIFIED	15:23
Xq = 0.081 (2.08%)		
EXTERNAL STANDARD	0.077	15:23
X[1] = 0.0769 (-0.0003) (0.0023)		
BLANK TEST	0.000	15:24
EXTERNAL STANDARD	0.077	15:24
X[1] = 0.0774 (-0.0002) (0.0029)		
BLANK TEST	0.000	15:25
EXTERNAL STANDARD	0.077	15:25
X[1] = 0.0773 (0.0007) (0.0022)		
BLANK TEST	0.000	15:26
EXTERNAL STANDARD	0.077	15:26
X[1] = 0.0775 (-0.0001) (0.0020)		
BLANK TEST	0.000	15:27
EXTERNAL STANDARD	0.077	15:27
X[1] = 0.0775 (0.0004) (0.0017)		
BLANK TEST	0.000	15:28

Average = 0.0770
Std Dev = 0.0000

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 = 45.7°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.58 V	PASSED
(0.95 V - 2.21 V)	
Cooler Voltage = 1.63 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 82 V	PASSED
(49 V - 115 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.900 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.004 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 = 0.080	1.31%	(0.00% - 4.00%)	PASSED
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