

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

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

Version: DMCAF 2018 R0
Status: Active

Instrument # 100365

Analyst Brandi Barnett

Date: 7/26/21

Reason for Calibration

Internal Standard Errors

1. Wet Bath Simulator Solution

- a. Level 0.100
- b. Manufacturer Lifeloc
- c. Lot 21DP41150
- d. Expiration Date 4/29/23

2. Wet Bath Simulator

- a. Serial Number DR 5298
- b. Date Calibrated 06/16/21

3. Attach Calibration Factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 07/26/2021
Time: 14:54:30

OPERATOR NAME:
BRANDI BARNETT
CERTIFICATE #: 7038

Ca = 0.1000
CAL = 0.978144 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0043 0.0010 <= b2 < 0.0100
b3 = 0.0004 0.0000 <= b3 < 0.0040
Xq = 0.1045 0.0500 <= Xq < 0.2000
a21 = 1.169193 1.050 <= a21 < 1.300
a31 = 0.460815 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100365

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: 485 psi

BLANK TEST	0.000	15:11
INTERNAL STANDARD	VERIFIED	15:11
Xq = 0.104 (0.08%)		
EXTERNAL STANDARD	0.077	15:11
X[1] = 0.0772 (0.0007) (0.0023)		
BLANK TEST	0.000	15:12
EXTERNAL STANDARD	0.077	15:12
X[1] = 0.0770 (0.0001) (0.0018)		
BLANK TEST	0.000	15:13
EXTERNAL STANDARD	0.077	15:13
X[1] = 0.0774 (0.0004) (0.0022)		
BLANK TEST	0.000	15:14
EXTERNAL STANDARD	0.077	15:14
X[1] = 0.0771 (-0.0003) (0.0020)		
BLANK TEST	0.000	15:15
EXTERNAL STANDARD	0.077	15:15
X[1] = 0.0767 (-0.0003) (0.0017)		
BLANK TEST	0.000	15:16

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 = 44.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.83 V	PASSED
(1.10 V - 2.56 V)	
Cooler Voltage = 1.84 V	PASSED
(1.10 V - 2.58 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 525 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.617 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 = 0.105 0.17% (0.00% - 4.00%)	PASSED
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