

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

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

Version: DMCAF 2018 R0
Status: Active

Instrument # 100350

Analyst Derech Walter

Date: 03/08/21

Reason for Calibration

Internal standard value was 6.35% during evaluation

1. Wet Bath Simulator Solution

- a. Level 0.100
- b. Manufacturer LifeLoc
- c. Lot 20AP41118
- d. Expiration Date 01/15/22

2. Wet Bath Simulator

- a. Serial Number SD1199
- b. Date Calibrated 05/07/20

3. Attach Calibration Factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100350

Date: 03/08/2021
Time: 13:44:42

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca = 0.1000
CAL = 0.969056 0.800 <= CAL < 1.200
b1 = 0.0007 0.0000 <= b1 < 0.0040
b2 = 0.0057 0.0010 <= b2 < 0.0100
b3 = 0.0007 0.0000 <= b3 < 0.0040
Xq = 0.1143 0.0500 <= Xq < 0.2000
a21 = 1.141621 1.050 <= a21 < 1.300
a31 = 0.484432 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100350

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 03/08/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.94: 0.080
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 769 psi

BLANK TEST	0.000	14:10
INTERNAL STANDARD	VERIFIED	14:10
Xq = 0.114 (0.46%)		
EXTERNAL STANDARD	0.077	14:11
X[1] = 0.0771 (-0.0020) (0.0018)		
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.077	14:12
X[1] = 0.0775 (-0.0013) (0.0023)		
BLANK TEST	0.000	14:13
EXTERNAL STANDARD	0.077	14:13
X[1] = 0.0774 (-0.0017) (0.0018)		
BLANK TEST	0.000	14:14
EXTERNAL STANDARD	0.077	14:14
X[1] = 0.0767 (-0.0023) (0.0017)		
BLANK TEST	0.000	14:15
EXTERNAL STANDARD	0.077	14:15
X[1] = 0.0773 (-0.0017) (0.0023)		
BLANK TEST	0.000	14:16

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 = 44.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.52 V	PASSED
(0.91 V - 2.13 V)	
Cooler Voltage = 1.52 V	PASSED
(0.91 V - 2.13 V)	
Bias Voltage = 81 V	PASSED
(49 V - 113 V)	
Chopper Freq = 535 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 5.479 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 = 0.114 0.00% (0.00% - 4.00%)