

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

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

Version: DMCAF 2018 R0
Status: Active

Instrument # 100357

Analyst Derek Watton

Date: 09/17/20

Reason for Calibration

Internal standard errors

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 DR6267
- b. Date Calibrated 10/08/19

3. Attach Calibration Factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100357

Date: 09/17/2020
Time: 14:26:24

OPERATOR NAME:
DEREK WALTON
CERTIFICATE #: 9508

Ca = 0.1000
CAL = 0.981285 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0047 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.0893 0.0500 <= Xq < 0.2000
a21 = 1.183757 1.050 <= a21 < 1.300
a31 = 0.527522 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100357

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/17/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.22: 0.078
LOT #: AG923401
EXPIRATION: 08/22/2021
TANK PRESSURE: 1160 psi

BLANK TEST	0.000	15:03
INTERNAL STANDARD ✓	VERIFIED	15:03
Xq = 0.088 (0.98%)		
EXTERNAL STANDARD	0.079	15:03
X[1] = 0.0788 (0.0013) (0.0031)		
BLANK TEST	0.000	15:04
EXTERNAL STANDARD	0.079	15:04
X[1] = 0.0790 (0.0011) (0.0028)		
BLANK TEST	0.000	15:05
EXTERNAL STANDARD	0.079	15:06
X[1] = 0.0792 (0.0016) (0.0029)		
BLANK TEST	0.000	15:06
EXTERNAL STANDARD	0.079	15:07
X[1] = 0.0791 (0.0005) (0.0023)		
BLANK TEST	0.000	15:08
EXTERNAL STANDARD	0.079	15:08
X[1] = 0.0787 (0.0008) (0.0028)		
BLANK TEST	0.000	15:09

Average = 0.0790
Std Dev = 0.0000

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.83 V	PASSED
(1.10 V - 2.56 V)	
Cooler Voltage = 1.81 V	PASSED
(1.09 V - 2.53 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 530 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.400 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 = 0.088 0.98% (0.00% - 4.00%)	