

Alaska Scientific Crime Detection Laboratory

DataMaster Calibration Form

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

Version: DMCAF 2018 R0
Status: Active

Instrument # 100363
Date: 10/29/2021

Analyst Carlie Glaister

Reason for Calibration

Refurbished by manufacturer including maintenance of filter wheel at factory

1. Wet Bath Simulator Solution

- a. Level 0.100
- b. Manufacturer Lifeloc
- c. Lot 210P41158
- d. Expiration Date 4/29/2023

2. Wet Bath Simulator

- a. Serial Number DRS298
- b. Date Calibrated 10/14/2021

3. Attach Calibration Factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100363

Date: 10/29/2021
Time: 13:07:59

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca	=	0.1000		
CAL	=	0.968160	0.800	<= CAL < 1.200
b1	=	0.0006	0.0000	<= b1 < 0.0040
b2	=	0.0037	0.0010	<= b2 < 0.0100
b3	=	0.0006	0.0000	<= b3 < 0.0040
Xq	=	0.0809	0.0500	<= Xq < 0.2000
a21	=	1.075730	1.050	<= a21 < 1.300
a31	=	0.464551	0.300	<= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100363

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 10/29/2021

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.52: 0.079
LOT #: AG018102
EXPIRATION: 06/29/2022
TANK PRESSURE: 373 psi

BLANK TEST	0.000	13:26
INTERNAL STANDARD	✓ VERIFIED	13:26
Xq = 0.081 (0.11%)		
EXTERNAL STANDARD	0.077	13:26
X[1] = 0.0774 (-0.0005) (0.0017)		
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.077	13:27
X[1] = 0.0766 (-0.0010) (0.0018)		
BLANK TEST	0.000	13:28
EXTERNAL STANDARD	0.077	13:29
X[1] = 0.0767 (-0.0006) (0.0019)		
BLANK TEST	0.000	13:29
EXTERNAL STANDARD	0.077	13:30
X[1] = 0.0768 (-0.0010) (0.0017)		
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.077	13:31
X[1] = 0.0773 (-0.0006) (0.0017)		
BLANK TEST	0.000	13:32

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 = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Cooler Voltage = 1.81 V	PASSED
(1.09 V - 2.53 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 518 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

PUMP INFO

Flow Rate = 4.323 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	✓	PASSED
Xq = 0.081	0.21%	(0.00% - 4.00%)