

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 12/21/2022

Version: 2.0

Instrument #: 100365

Analyst: Kaja Swisher

Date: 11/6/24

Reason for Adjustment

Persistent high internal standard readings.

0.100 Adjustment Simulator Solution

Manufacturer: Life LOC

Lot: 231P41233

Expiration Date: 9/20/25

0.100 Adjustment Wet Bath Simulator

Serial Number: DR4176

Verification Performed?

Calibrated External Thermometer

Serial Number: 230631106

Calibration Due Date: 9/19/25

Blank (Water) Wet Bath Simulator

Serial Number: SD1176

Verification Performed?

- Attach "Cal Factors"
- Attach Verification of Calibration (VOC)
- Internal Standard Value \leq 3.00%

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100365

Date: 11/06/2024
Time: 13:50:21

OPERATOR NAME:
KAIJA SWISHER
CERTIFICATE #: 10746

Ca = 0.1000
CAL = 0.983493 0.800 <= CAL < 1.200
b1 = 0.0004 0.0000 <= b1 < 0.0040
b2 = 0.0056 0.0010 <= b2 < 0.0100
b3 = 0.0002 0.0000 <= b3 < 0.0040
Xq = 0.0931 0.0500 <= Xq < 0.2000
a21 = 1.171826 1.050 <= a21 < 1.300
a31 = 0.450343 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: 11/06/2024

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C

PASSED

Breath Tube = 44.2°C

PASSED

PUMP INFO

Flow Rate = 4.465 L/M

PASSED

DETECTOR INFO

PUMP ON

FAILED

PUMP OFF

PASSED

FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

INTERNAL STANDARD

PASSED

Diagnostic Check Failed

It is typical for diagnostic check to fail
after adjustment. VOC. Passed second time.

KS 11/6/24

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100365

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/06/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.19: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 1026 psi

BLANK TEST	0.000	14:08
INTERNAL STANDARD	VERIFIED	14:08
Xq = 0.094 (0.47%)		
EXTERNAL STANDARD	0.076	14:08
X[1] = 0.0763 (-0.0013) (0.0015)		
BLANK TEST	0.000	14:09
EXTERNAL STANDARD	0.077	14:09
X[1] = 0.0773 (-0.0005) (0.0019)		
BLANK TEST	0.000	14:10
EXTERNAL STANDARD	0.076	14:10
X[1] = 0.0763 (-0.0007) (0.0020)		
BLANK TEST	0.000	14:11
EXTERNAL STANDARD	0.076	14:12
X[1] = 0.0762 (-0.0010) (0.0014)		
BLANK TEST	0.000	14:12
EXTERNAL STANDARD	0.077	14:13
X[1] = 0.0765 (-0.0012) (0.0017)		
BLANK TEST	0.000	14:14

Average = 0.0764
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.02 V	PASSED
(1.21 V - 2.83 V)	
Cooler Voltage = 1.82 V	PASSED
(1.09 V - 2.55 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 530 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.2 in	

PUMP INFO

Flow Rate = 4.564 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
(0.001 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.093 0.09%	PASSED
(0.00% - 4.00%)	