

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100411

Analyst: Carlie Glaister

Date: 11/3/25

Reason for Adjustment

Internal standard errors - internal standard/filters
cleaning

0.100 Adjustment Simulator Solution

Manufacturer: Life10c

Lot: 25CP41280

Expiration Date: 3/19/27

0.100 Adjustment Wet Bath Simulator

Serial Number: DR6267

Verification Performed? ☒

Calibrated External Thermometer

Serial Number: 250159297

Calibration Due Date: 3/14/27

Blank (Water) Wet Bath Simulator

Serial Number: DR4174

Verification Performed? ☒

☒ Turn pump on/off in the technician screen to prevent pump error on VOC

☒ Attach "Cal Factors"

☒ Attach Verification of Calibration (VOC)

☐ Internal Standard Value $\leq 3.00\%$ OK 11/3/25

Adjustment rejected, unable to achieve passing
VOC post adjustment. Return to repair. OK 11/3/25

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 11/03/2025
Time: 14:27:43

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 1.003896 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0047 0.0010 <= b2 < 0.0100
b3 = 0.0002 0.0000 <= b3 < 0.0040
Xq = 0.1272 0.0500 <= Xq < 0.2000
a21 = 1.146999 1.050 <= a21 < 1.300
a31 = 0.486129 0.300 <= a31 < 0.800

1st adjustment
CW 11/3/25

Rejected

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C
(44.0°C - 52.0°C)

PASSED

Breath Tube = 43.5°C
(38.0°C - 50.0°C)

PASSED

SETTINGS

Lamp Voltage = 1.70 V
(1.02 V - 2.38 V)

PASSED

Cooler Voltage = 1.82 V
(1.09 V - 2.55 V)

PASSED

Bias Voltage = 80 V
(48 V - 112 V)

PASSED

Chopper Freq = 521 Hz
(475 Hz - 575 Hz)

PASSED

Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.187 L/M
(3.500 L/M - 6.500 L/M)

PASSED

DETECTOR INFO

PUMP ON
(0.003 V <= 0.010 V)

PASSED

PUMP OFF
(0.002 V <= 0.010 V)

PASSED

FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

INTERNAL STANDARD

FAILED

Xq = 0.133 4.27% (0.00% - 4.00%)

Diagnostic Check Failed

Internal standard failed, but is smaller than reading
during Repair ^{38.26%} (100411-2025-11-03-Repair). Adjuster
attempted a second time. Oct 11/3/25

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100411

Date: 11/03/2025
Time: 14:48:42

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca	=	0.1000		
CAL	=	1.019245	0.800	<= CAL < 1.200
b1	=	0.0002	0.0000	<= b1 < 0.0040
b2	=	0.0042	0.0010	<= b2 < 0.0100
b3	=	0.0004	0.0000	<= b3 < 0.0040
Xq	=	0.1284	0.0500	<= Xq < 0.2000
a21	=	1.157826	1.050	<= a21 < 1.300
a31	=	0.473116	0.300	<= a31 < 0.800

2nd adjustment
OK 11/3/25

Rejected

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

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
(44.0°C - 52.0°C)
Breath Tube = 43.5°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.70 V PASSED
(1.02 V - 2.38 V)
Cooler Voltage = 1.82 V PASSED
(1.09 V - 2.55 V)
Bias Voltage = 80 V PASSED
(48 V - 112 V)
Chopper Freq = 521 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.209 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON FAILED
(0.014 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

Xq = 0.132 2.50% (0.00% - 4.00%) PASSED

Diagnostic Check Failed

Pump failed due to forgetting
to turn pump on/off in technician
screen. CUB 11/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.02

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C
(44.0°C - 52.0°C)

PASSED

Breath Tube = 43.7°C
(38.0°C - 50.0°C)

PASSED

SETTINGS

Lamp Voltage = 1.70 V
(1.02 V - 2.38 V)

PASSED

Cooler Voltage = 1.82 V
(1.09 V - 2.55 V)

PASSED

Bias Voltage = 80 V
(48 V - 112 V)

PASSED

Chopper Freq = 522 Hz
(475 Hz - 575 Hz)

PASSED

Barometer = 29.4 in

PUMP INFO

Flow Rate = 4.012 L/M
(3.500 L/M - 6.500 L/M)

PASSED

DETECTOR INFO

PUMP ON
(0.002 V <= 0.010 V)

PASSED

PUMP OFF
(0.002 V <= 0.010 V)

PASSED

FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

INTERNAL STANDARD

FAILED

Xq = 0.134 4.58% (0.00% - 4.00%)

Diagnostic Check Failed