

Alaska Scientific Crime Detection Laboratory

DataMaster Adjustment Form

Effective: 3/20/2025

Version: 3.0

Instrument #: 100682

Analyst: Curie Glaister

Date: 11/3/25

Reason for Adjustment

Internal Standard errors - internal standard/filters
cleaning

0.100 Adjustment Simulator Solution

Manufacturer: Life 100

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 $\leq 3.00\%$

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100682

Date: 11/03/2025
Time: 15:48:43

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.000000 0.800 <= CAL < 1.200
b1 = 0.0000 0.0000 <= b1 < 0.0040
b2 = 0.0000 0.0010 <= b2 < 0.0100
b3 = 0.0000 0.0000 <= b3 < 0.0040
Xq = 0.1058 0.0500 <= Xq < 0.2000
a21 = 0.000000 1.050 <= a21 < 1.300
a31 = 0.000000 0.300 <= a31 < 0.800

RFI DETECTED

On first adjustment attempt RFI was detected which is unusual due to no radios being on in the vicinity. RFI sensitivity was reset prior to reperforming adjustment. CRO 11/3/25

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100682

Date: 11/03/2025
Time: 15:58:21

OPERATOR NAME:
CARLIE GLAISTER
CERTIFICATE #: 10436

Ca = 0.1000
CAL = 0.979126 0.800 <= CAL < 1.200
b1 = 0.0008 0.0000 <= b1 < 0.0040
b2 = 0.0056 0.0010 <= b2 < 0.0100
b3 = 0.0003 0.0000 <= b3 < 0.0040
Xq = 0.1064 0.0500 <= Xq < 0.2000
a21 = 1.112525 1.050 <= a21 < 1.300
a31 = 0.441594 0.300 <= a31 < 0.800

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100682

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.05: 0.078
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 647 psi

BLANK TEST	0.000	16:15
INTERNAL STANDARD	VERIFIED	16:16
EXTERNAL STANDARD	0.078	16:16
BLANK TEST	0.000	16:17
EXTERNAL STANDARD	0.078	16:17
BLANK TEST	0.000	16:18
EXTERNAL STANDARD	0.078	16:18
BLANK TEST	0.000	16:19
EXTERNAL STANDARD	0.078	16:19
BLANK TEST	0.000	16:20
EXTERNAL STANDARD	0.078	16:20

Blank Error

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 47.8°C	PASSED

PUMP INFO

Flow Rate = 4.638 L/M	PASSED
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DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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Blank error on first VOC attempt alt 11/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100682

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.06: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 629 psi

BLANK TEST	0.000	16:24
INTERNAL STANDARD	VERIFIED	16:24
EXTERNAL STANDARD	0.077	16:24
BLANK TEST	0.000	16:25
EXTERNAL STANDARD	0.078	16:25
BLANK TEST	0.000	16:26
EXTERNAL STANDARD	0.078	16:26

Blank Error

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C

PASSED

Breath Tube = 47.4°C

PASSED

PUMP INFO

Flow Rate = 4.680 L/M

PASSED

DETECTOR INFO

PUMP ON

PASSED

PUMP OFF

PASSED

FILTER INFO

Filter 1

PASSED

Filter 2

PASSED

Filter 3

PASSED

INTERNAL STANDARD

PASSED

Blank error on second VOC attempt.

Blank errors occurring on multiple instruments at the same time, likely environmental. CUB 11/3/25

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100682

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/03/2025

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.06: 0.078

LOT #: AG335202

EXPIRATION: 12/18/2025

TANK PRESSURE: 621 psi

BLANK TEST	0.000	16:37
INTERNAL STANDARD	VERIFIED	16:38
Xq = 0.103 (2.81%)		
EXTERNAL STANDARD	0.076	16:38
X[1] = 0.0757 (-0.0039) (0.0020)		
BLANK TEST	0.000	16:39
EXTERNAL STANDARD	0.078	16:39
X[1] = 0.0776 (-0.0010) (0.0029)		
BLANK TEST	0.000	16:40
EXTERNAL STANDARD	0.078	16:40
X[1] = 0.0780 (-0.0011) (0.0030)		
BLANK TEST	0.000	16:41
EXTERNAL STANDARD	0.078	16:41
X[1] = 0.0780 (-0.0012) (0.0018)		
BLANK TEST	0.000	16:42
EXTERNAL STANDARD	0.078	16:42
X[1] = 0.0778 (-0.0019) (0.0020)		
BLANK TEST	0.000	16:43

Average = 0.0776

Std Dev = 0.0009

Diagnostic Check

VERSIONS

DMT: 3.02

PIC: 3.03

Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C PASSED
(44.0°C - 52.0°C)

Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 2.55 V PASSED
(1.53 V - 3.57 V)

Cooler Voltage = 1.96 V PASSED
(1.18 V - 2.74 V)

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

Chopper Freq = 529 Hz PASSED
(475 Hz - 575 Hz)

Barometer = 29.1 in

PUMP INFO

Flow Rate = 4.667 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.001 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 = 0.105 1.65% (0.00% - 4.00%) PASSED