

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 7/10/2015
Effective: 7/10/2015

Version: DMEF2015 R0
Status: Active

Instrument # 1004116

Date: 9/14/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Adjustment error when trying to calibrate

X_g 0.0069 0.0500 ≤ X_g ≤ 0.2000

X_g 0.0343

2. Visual Inspection

3. Troubleshooting/Repair

Can't perform VOC, detector, filter + internal standard
into all fail.

COB 9/17/15

4. VOC (attached) N/A

5. Internal Standard value ≤ 3.00% Yes No N/A

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100416

Date: 08/12/2015
Time: 10:15:00

OPERATOR NAME:
COLLEEN S OBRYANT
CERTIFICATE #: 6237

Ca = 0.1000
CAL = 0.939433 0.800 <= CAL < 1.200
b1 = 0.0005 0.0000 <= b1 < 0.0040
b2 = 0.0061 0.0010 <= b2 < 0.0100
b3 = 0.0001 0.0000 <= b3 < 0.0040
Xq = 0.0870 0.0500 <= Xq < 0.2000
a21 = 1.171531 1.050 <= a21 < 1.300
a31 = 0.550379 0.300 <= a31 < 0.800

Current Cal factors

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100416

Date: 09/14/2015
Time: 14:23:03

OPERATOR NAME:
BRANDI BARNETT
CERTIFICATE #: 7038

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 = 0.0343 0.0500 <= Xq < 0.2000
a21 = 0.000000 1.050 <= a21 < 1.300
a31 = 0.000000 0.300 <= a31 < 0.800

Adjustment Error

Attempted calibration

CALIBRATION FACTORS

Alaska Department of Public Safety
DATAMASTER dmt: 100416

Date: 09/14/2015
Time: 14:25:26

OPERATOR NAME:
BRANDI BARNETT
CERTIFICATE #: 7038

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 = 0.0069 0.0500 <= Xq < 0.2000
a21 = 0.000000 1.050 <= a21 < 1.300
a31 = 0.000000 0.300 <= a31 < 0.800

Adjustment Error

Attempted calibration

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/17/2015

External Standard Test Values

Diagnostic Check

VERSIONS

DMT: 3.01
EIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C PASSED
Breath Tube = 44.0°C PASSED

PUMP INFO

Flow Rate = 4.557 L/M PASSED

DETECTOR INFO

PUMP ON FAILED
PUMP OFF FAILED

FILTER INFO

Filter 1 FAILED
Filter 2 PASSED
Filter 3 FAILED

INTERNAL STANDARD

FAILED

Diagnostic Check Failed

I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

Nita J. Bolz
Scientific Director
State Breath Alcohol Program

Subscribed and sworn before me this ____ day of _____, 20 ____

Technician Screen

DATAMASTER dmt: 100416

Date: 09/16/2015
Time: 3:21 PM

Temperatures (°C)
Sample Cell: 48.8°C
Breath Tube: 46.7°C

Current Barometer 29.2 in
Volume (Ltr) 0.00

Settings
Lamp: 1.60 V
Bias: 82 V
Cooler: 1.64 V
Chopper: 533 Hz

Voltages (V)
Flow: 1.07 V
Detector: 0.356 V

voltage @ filter 1 + quartz

Technician Screen

DATAMASTER dmt: 100416

Date: 09/16/2015
Time: 3:21 PM

Temperatures (°C)
Sample Cell: 48.8°C
Breath Tube: 46.7°C

Current Barometer 29.2 in
Volume (Ltr) 0.00

Settings
Lamp: 1.60 V
Bias: 82 V
Cooler: 1.64 V
Chopper: 533 Hz

Voltages (V)
Flow: 1.07 V
Detector: 0.154 V

voltage @ filter 1