

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100350

Date: 11/18/15

Analyst: CWF

1. Reason for instrument evaluation

Returned for preventative maintenance

2. Visual Inspection

3. Troubleshooting/Repair

None

4. VOC (attached)

5. Internal Standard value  $\leq 3.00\%$  Yes  No

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100350

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 11/18/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.99: 0.080  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016  
TANK PRESSURE: 292 psi

BLANK TEST	0.000	12:32
INTERNAL STANDARD	VERIFIED	12:32
Xq = 0.099 (1.66%)		
EXTERNAL STANDARD	0.079	12:32
X[1] = 0.0793 (-0.0025) (-0.0027)		
BLANK TEST	0.000	12:33
EXTERNAL STANDARD	0.079	12:33
X[1] = 0.0785 (-0.0027) (-0.0035)		
BLANK TEST	0.000	12:34
EXTERNAL STANDARD	0.078	12:34
X[1] = 0.0782 (-0.0030) (-0.0027)		
BLANK TEST	0.000	12:35
EXTERNAL STANDARD	0.079	12:35
X[1] = 0.0789 (-0.0021) (-0.0023)		
BLANK TEST	0.000	12:36
EXTERNAL STANDARD	0.079	12:36
X[1] = 0.0787 (-0.0024) (-0.0029)		
BLANK TEST	0.000	12:37

Average = 0.0788  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 43.4°C (38.0°C - 50.0°C)	PASSED

### SETTINGS

Lamp Voltage = 1.78 V (1.10 V - 2.56 V)	PASSED
Cooler Voltage = 1.82 V (1.01 V - 2.37 V)	PASSED
Bias Voltage = 79 V (47 V - 111 V)	PASSED
Chopper Freq = 514 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 30.0 in	

### PUMP INFO

Flow Rate = 4.450 L/M (3.500 L/M - 6.500 L/M)	PASSED
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### 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

Xq = 0.098 2.71% (0.00% - 4.00%)	PASSED
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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\_\_\_\_