

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100679

Date: 12/24/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Preventative Maintenance

2. Visual Inspection

3. Troubleshooting/Repair

none needed

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 #: 100679

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/24/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.96: 0.080  
LOT #: 01315080A3  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 1078 psi

BLANK TEST	0.000	08:41
INTERNAL STANDARD	VERIFIED	08:41
Xq = 0.098 (1.76%)		
EXTERNAL STANDARD	0.079	08:41
X[1] = 0.0789 (-0.0017) (0.0011)		
BLANK TEST	0.000	08:42
EXTERNAL STANDARD	0.079	08:42
X[1] = 0.0794 (-0.0009) (0.0006)		
BLANK TEST	0.000	08:43
EXTERNAL STANDARD	0.080	08:44
X[1] = 0.0801 (-0.0003) (0.0009)		
BLANK TEST	0.000	08:45
EXTERNAL STANDARD	0.080	08:45
X[1] = 0.0798 (-0.0015) (0.0007)		
BLANK TEST	0.000	08:46
EXTERNAL STANDARD	0.080	08:46
X[1] = 0.0802 (-0.0012) (0.0010)		
BLANK TEST	0.000	08:47

Average = 0.0796  
Std Dev = 0.0005

## Diagnostic Check

VERSION: 3.01  
DMT: 3.01  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.8°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.72 V	PASSED
(1.00 V - 2.34 V)	
Cooler Voltage = 1.71 V	PASSED
(1.00 V - 2.32 V)	
Bias Voltage = 80 V	PASSED
(47 V - 111 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.0 in	

### PUMP INFO

Flow Rate = 4.888 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
(0.002 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED  
Xq = 0.099 0.88% (0.00% - 4.00%)

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 \_\_\_\_\_