

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 1003-45

Date: 9/29/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Returned from NPAS

2. Visual Inspection

3. Troubleshooting/Repair

Ran a VOC, internal standard greater than 3%, ready to calibrate.

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 #: 100345

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/29/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.64: 0.077  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 1045 psi

BLANK TEST	0.000	09:03
INTERNAL STANDARD	VERIFIED	09:03
Xq = 0.093 (2.93%)		
EXTERNAL STANDARD	0.074	09:03
X[1] = 0.0743 (-0.0010) (0.0014)		
BLANK TEST	0.000	09:04
EXTERNAL STANDARD	0.074	09:04
X[1] = 0.0744 (-0.0012) (0.0008)		
BLANK TEST	0.000	09:05
EXTERNAL STANDARD	0.074	09:05
X[1] = 0.0742 (-0.0011) (0.0010)		
BLANK TEST	0.000	09:06
EXTERNAL STANDARD	0.075	09:06
X[1] = 0.0749 (0.0001) (0.0017)		
BLANK TEST	0.000	09:07
EXTERNAL STANDARD	0.075	09:08
X[1] = 0.0745 (-0.0010) (0.0007)		
BLANK TEST	0.000	09:08

Average = 0.0744  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.3°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.62 V	PASSED
(0.97 V - 2.27 V)	
Cooler Voltage = 1.71 V	PASSED
(1.03 V - 2.39 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 28.6 in	

### PUMP INFO

Flow Rate = 4.512 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.003 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

Xq = 0.092 (3.94%)	PASSED
(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 \_\_\_\_\_