

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100364

Date: 9/9/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Preventative Maintenance

2. Visual Inspection

3. Troubleshooting/Repair

noisy chopper wheel

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 #: 100364

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/09/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.49: 0.079  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016  
TANK PRESSURE: 264 psi

BLANK TEST	0.000	11:03
INTERNAL STANDARD	VERIFIED	11:03
Xq = 0.097 (1.37%)		
EXTERNAL STANDARD	0.075	11:03
X[1] = 0.0753 (-0.0037) (-0.0030)		
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.076	11:05
X[1] = 0.0760 (-0.0020) (-0.0002)		
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.076	11:06
X[1] = 0.0756 (-0.0016) (-0.0010)		
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.076	11:07
X[1] = 0.0760 (-0.0015) (-0.0006)		
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.076	11:08
X[1] = 0.0762 (-0.0013) (-0.0011)		
BLANK TEST	0.000	11:09

Average = 0.0758  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.94 V	PASSED
(1.16 V - 2.72 V)	
Cooler Voltage = 1.63 V	PASSED
(0.98 V - 2.28 V)	
Bias Voltage = 78 V	PASSED
(47 V - 109 V)	
Chopper Freq = 542 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

### PUMP INFO

Flow Rate = 4.945 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.003 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

Xq = 0.096	0.64%	(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\_\_\_\_\_