

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100390

Date: 9/29/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Removed from service for preventative maintenance.

2. Visual Inspection

3. Troubleshooting/Repair

Performed VOC - ready to certify.

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 #: 100390

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/29/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.090  
TARGET AT 28.76: 0.077  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 1049 psi

BLANK TEST	0.000	09:10
INTERNAL STANDARD	VERIFIED	09:10
Xq = 0.094 (2.01%)		
EXTERNAL STANDARD	0.078	09:10
X[1] = 0.0777 (-0.0014) (-0.0024)		
BLANK TEST	0.000	09:11
EXTERNAL STANDARD	0.078	09:11
X[1] = 0.0776 (-0.0021) (-0.0019)		
BLANK TEST	0.000	09:12
EXTERNAL STANDARD	0.078	09:12
X[1] = 0.0779 (-0.0015) (-0.0021)		
BLANK TEST	0.000	09:13
EXTERNAL STANDARD	0.078	09:14
X[1] = 0.0776 (-0.0019) (-0.0012)		
BLANK TEST	0.000	09:14
EXTERNAL STANDARD	0.077	09:15
X[1] = 0.0775 (-0.0012) (-0.0016)		
BLANK TEST	0.000	09:16

Average = 0.0778  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.9°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 44.1°C (38.0°C - 50.0°C)	PASSED

### SETTINGS

Lamp Voltage = 1.59 V (0.99 V - 2.31 V)	PASSED
Cooler Voltage = 1.62 V (0.96 V - 2.24 V)	PASSED
Bias Voltage = 80 V (48 V - 112 V)	PASSED
Chopper Freq = 535 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.8 in	

### PUMP INFO

Flow Rate = 4.413 L/M (3.500 L/M - 6.500 L/M)	PASSED
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### DETECTOR INFO

PUMP ON (0.003 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	PASSED
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Xq = 0.093 (2.92%) (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 \_\_\_\_\_