

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100364

Date: 10/23/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Return from NPAS

2. Visual Inspection

3. Troubleshooting/Repair

Software at 2.00 from NPAS  
updated to 3.00 + 3.01

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: 10/23/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.69: 0.079  
LOT #: 01315080A2  
EXPIRATION: 02/05/2017  
TANK PRESSURE: 236 psi

BLANK TEST	0.000	14:28
INTERNAL STANDARD	VERIFIED	14:28
Xg = 0.098 (0.45%)		
EXTERNAL STANDARD	0.081	14:28
X[1] = 0.0808 (-0.0003) (0.0024)		
BLANK TEST	0.000	14:29
EXTERNAL STANDARD	0.080	14:29
X[1] = 0.0802 (-0.0010) (0.0011)		
BLANK TEST	0.000	14:30
EXTERNAL STANDARD	0.080	14:30
X[1] = 0.0805 (-0.0015) (0.0018)		
BLANK TEST	0.000	14:31
EXTERNAL STANDARD	0.080	14:31
X[1] = 0.0805 (-0.0013) (0.0012)		
BLANK TEST	0.000	14:32
EXTERNAL STANDARD	0.081	14:32
X[1] = 0.0808 (-0.0008) (0.0021)		
BLANK TEST	0.000	14:33

Average = 0.0804  
Std Dev = 0.0005

## Diagnostic Check

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

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 47.9°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.94 V	PASSED
(1.16 V - 2.72 V)	
Cooler Voltage = 1.97 V	PASSED
(1.18 V - 2.76 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 520 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

### PUMP INFO

Flow Rate = 5.220 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
(0.001 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
Xg = 0.098	0.18% (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 \_\_\_\_\_