

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

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

Version: DMEF2015 R0  
Status: Active

Instrument # 100411

Date: 7/30/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation  
Return from NPAS

2. Visual Inspection

3. Troubleshooting/Repair

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 #: 100411

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/30/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.50: 0.080  
LOT #: 07214080A1  
EXPIRATION: 04/01/2016  
TANK PRESSURE: 979 psi

ELANK TEST	0.000	15:53
INTERNAL STANDARD	VERIFIED	15:53
Xq = 0.086 (0.10%)		
EXTERNAL STANDARD	0.079	15:54
X[1] = 0.0781 (-0.0028) (-0.0009)		
ELANK TEST	0.000	15:55
EXTERNAL STANDARD	0.079	15:55
X[1] = 0.0788 (-0.0014) (-0.0006)		
ELANK TEST	0.000	15:56
EXTERNAL STANDARD	0.079	15:56
X[2] = 0.0766 (-0.0023) (-0.0011)		
ELANK TEST	0.000	15:57
EXTERNAL STANDARD	0.079	15:57
X[1] = 0.0782 (-0.0025) (-0.0012)		
ELANK TEST	0.000	15:58
EXTERNAL STANDARD	0.079	15:58
X[1] = 0.0792 (-0.0019) (-0.0016)		
ELANK TEST	0.000	15:59

Average = 0.0789  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 49.1°C PASSED  
(44.0°C - 53.0°C)  
Breath Tube = 48.1°C PASSED  
(38.0°C - 50.0°C)

### SETTINGS

Lamp Voltage = 1.82 V PASSED  
(1.10 V - 2.58 V)  
Cooler Voltage = 1.77 V PASSED  
(1.06 V - 2.48 V)  
Bias Voltage = 80 V PASSED  
(48 V - 112 V)  
Chopper Freq = 526 Hz PASSED  
(475 Hz - 575 Hz)  
Barometer = 29.8 in

### PUMP INFO

Flow Rate = 5.076 L/M PASSED  
(3.500 L/M - 6.500 L/M)

### DETECTOR INFO

PUMP ON PASSED  
(0.004 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 = 0.086 0.10% (0.00% - 4.00%) PASSED

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 \_\_\_\_\_