

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2015 R0
Status: Active

Instrument # 100378

Date: 7/15/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Certified instrument removed from
AST/Talketna due to past closure.

2. Visual Inspection

3. Troubleshooting/Repair

Updated software to 3.01
No repairs necessary. Certified instrument.

4. VOC (attached)

5. Internal Standard value $\leq 3.00\%$ Yes No

6. Verify software version 3.01

Return to Factory for Repair

Ready For Calibration

Ready For Certification

N/A Certified instrument

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100378

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/15/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: 07214080A1
EXPIRATION: 04/01/2016
TANK PRESSURE: 1033 psi

BLANK TEST	0.000	06:59
INTERNAL STANDARD	VERIFIED	06:59
Xq = 0.080 (0.55%)		
EXTERNAL STANDARD	0.080	07:00
X[1] = 0.0795 (0.0001) (0.0012)		
BLANK TEST	0.000	07:00
EXTERNAL STANDARD	0.079	07:01
X[1] = 0.0791 (-0.0007) (0.0009)		
BLANK TEST	0.000	07:02
EXTERNAL STANDARD	0.079	07:02
X[1] = 0.0793 (-0.0002) (0.0012)		
BLANK TEST	0.000	07:03
EXTERNAL STANDARD	0.079	07:03
X[1] = 0.0794 (0.0000) (0.0011)		
BLANK TEST	0.000	07:04
EXTERNAL STANDARD	0.079	07:04
X[1] = 0.0792 (-0.0002) (0.0006)		
BLANK TEST	0.000	07:05

Average = 0.0792
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 = 1.55 V	PASSED
(0.95 V - 2.21 V)	
Cooler Voltage = 1.57 V	PASSED
(0.96 V - 2.24 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 547 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.7 in	

PUMP INFO

Flow Rate = 4.405 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.001 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	PASSED
Xq = 0.081 1.75% (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____