

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100368

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/06/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.90: 0.080
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 945 psi

BLANK TEST	0.000	14:17
INTERNAL STANDARD	VERIFIED	14:17
Xq = 0.074 (1.04%)		
EXTERNAL STANDARD	0.079	14:18
X[1] = 0.0792 (-0.0031) (-0.0032)		
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.079	14:19
X[1] = 0.0792 (-0.0031) (-0.0025)		
BLANK TEST	0.000	14:20
EXTERNAL STANDARD	0.079	14:20
X[1] = 0.0791 (-0.0031) (-0.0028)		
BLANK TEST	0.000	14:21
EXTERNAL STANDARD	0.079	14:21
X[1] = 0.0787 (-0.0026) (-0.0024)		
BLANK TEST	0.000	14:22
EXTERNAL STANDARD	0.080	14:22
X[1] = 0.0796 (-0.0024) (-0.0023)		
BLANK TEST	0.000	14:23

Average = 0.0792
Std Dev = 0.0004

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 42.1°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.59 V	PASSED
(0.94 V - 2.20 V)	
Cooler Voltage = 1.76 V	PASSED
(1.06 V - 2.46 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 545 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.9 in	

PUMP INFO

Flow Rate = 4.824 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
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.073 1.74% (0.00% - 4.00%)