

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 6/27/2017  
Effective: 7/3/2017

Version: DMEF2017 R0  
Status: Active

Instrument # 100413

Date: 8/3/17

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Simulator timed out on wet bath 0.200 during certification.

2. Visual Inspection (internal and external)   
3. O-ring inspection   
4. Troubleshooting/Repair

Replaced controller board

No simulator timed out on wet 0.200

5. VOC (attached)

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

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100413

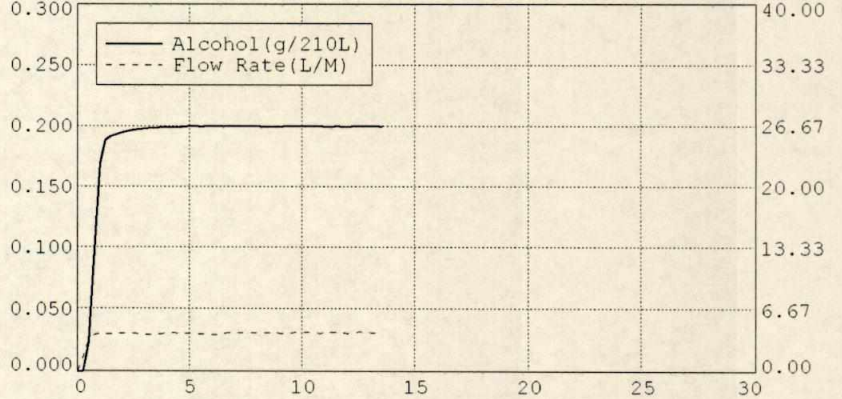
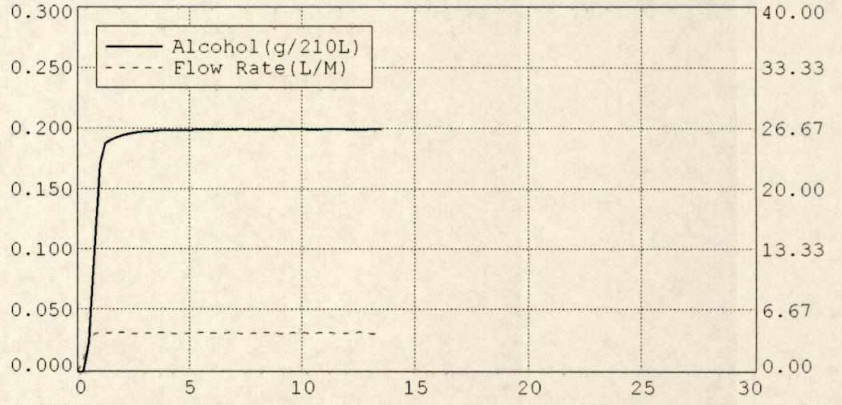
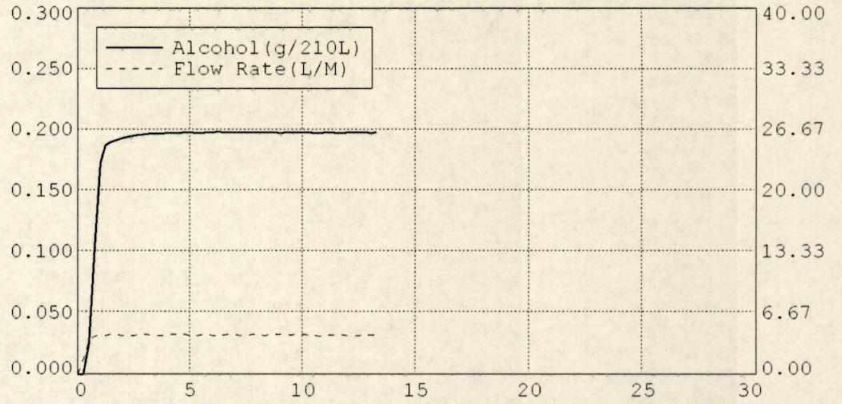
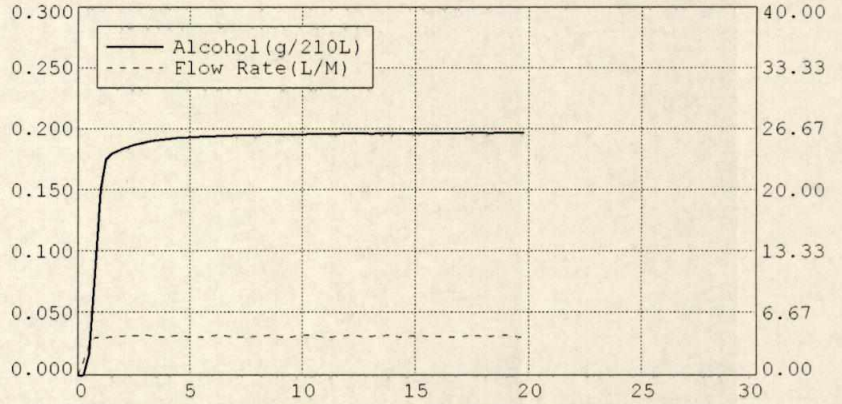
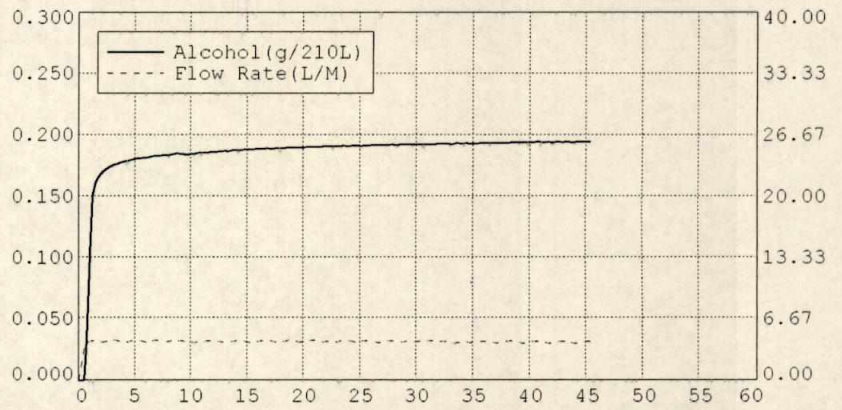
Date: 08/04/2017  
 Time: 10:17:52

SUPERVISOR NAME:  
 BRANDI BARNETT  
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.200

BLANK TEST	0.000	10:18
INTERNAL STANDARD	VERIFIED	10:19
EXTERNAL STANDARD	0.195	10:19
BLANK TEST	0.000	10:20
EXTERNAL STANDARD	0.197	10:21
BLANK TEST	0.000	10:22
EXTERNAL STANDARD	0.198	10:22
BLANK TEST	0.000	10:23
EXTERNAL STANDARD	0.200	10:23
BLANK TEST	0.000	10:24
EXTERNAL STANDARD	0.200	10:25
BLANK TEST	0.000	10:25

Average = 0.1980  
 Std Dev = 0.0021



# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100413

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/04/2017

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 30.17: 0.081  
LOT #: AG634001  
EXPIRATION: 12/05/2018  
TANK PRESSURE: 1115 psi

BLANK TEST	0.000	10:08
INTERNAL STANDARD	VERIFIED	10:08
Xq = 0.093 (1.30%)		
EXTERNAL STANDARD	0.077	10:08
X[1] = 0.0775 (-0.0013) (0.0029)		
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.077	10:09
X[1] = 0.0771 (-0.0022) (0.0024)		
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.078	10:10
X[1] = 0.0779 (-0.0012) (0.0026)		
BLANK TEST	0.000	10:11
EXTERNAL STANDARD	0.078	10:11
X[1] = 0.0783 (-0.0014) (0.0021)		
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.078	10:13
X[1] = 0.0783 (-0.0015) (0.0025)		
BLANK TEST	0.000	10:14

Average = 0.0776  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 45.7°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.95 V	PASSED
(1.08 V - 2.52 V)	
Cooler Voltage = 1.84 V	PASSED
(0.95 V - 2.23 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 531 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.2 in	

### PUMP INFO

Flow Rate = 5.338 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.003 V <= 0.010 V)	
PUMP OFF	PASSED
(0.004 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

Xq = 0.092 2.50%	PASSED
(0.00% - 4.00%)	