

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

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

Version: DMEF2017 R0
Status: Active

Instrument # 100398

Date: 8/3/17

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Interference, gas flow error, ambient fail, blank error

2. Visual Inspection (internal and external)

3. O-ring inspection

4. Troubleshooting/Repair

Instrument very dusty. Cleaned outside.

No status messages on subject test or VOC.

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

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100398

Date: 08/03/2017
Time: 13:38:07

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

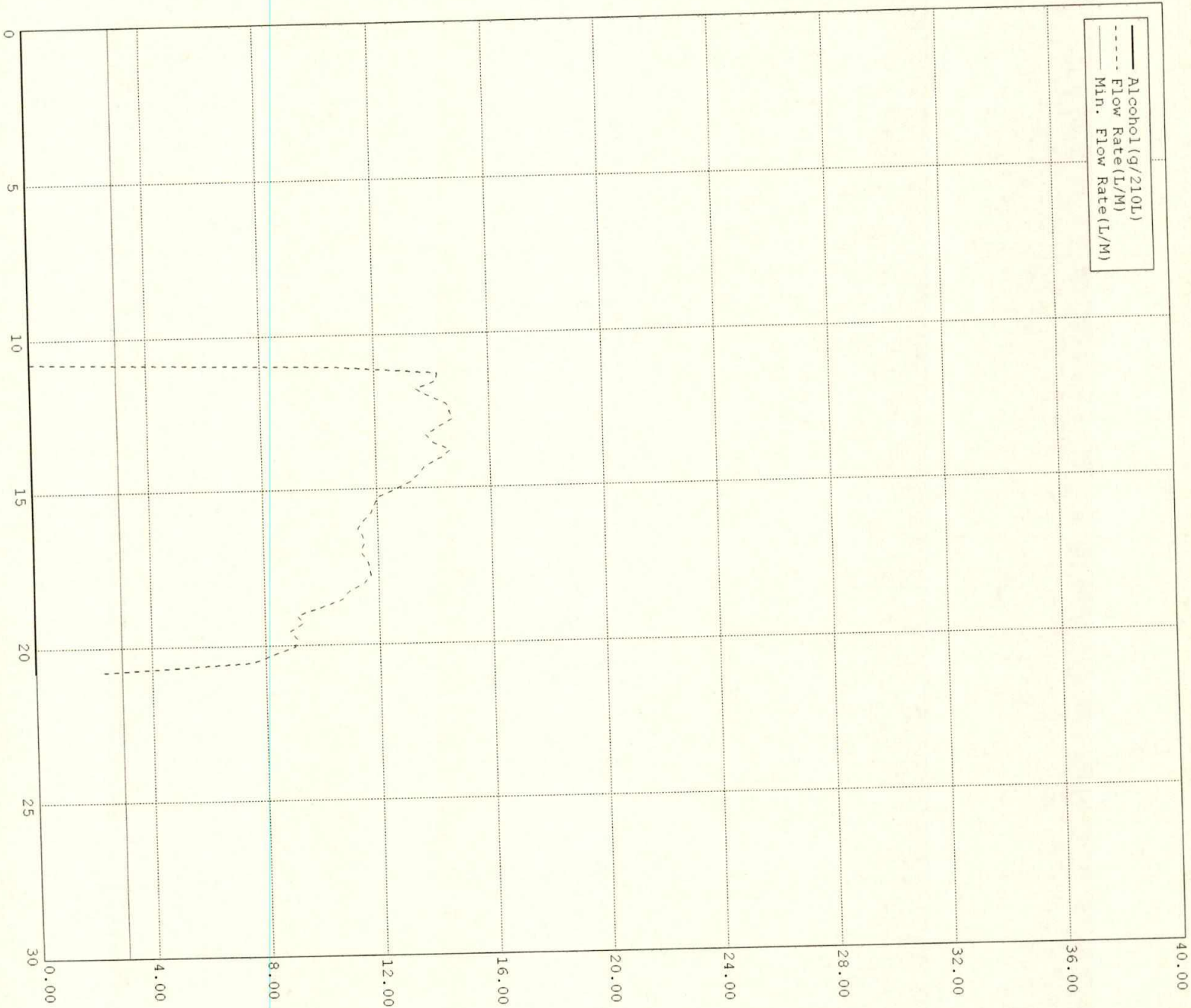
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

DEPT/AGENCY:
TEST
CASE/REPORT: TEST
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 30.08: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018

TEST TYPE	PASSED	TIME
DIAGNOSTIC CHECK	0.000	13:39
BLANK TEST	0.000	13:39
INTERNAL STANDARD	0.079	13:39
EXTERNAL STANDARD	0.000	13:40
BLANK TEST	0.000	13:41
SUBJECT SAMPLE (Vol=1.95L)	0.000	13:41
BLANK TEST	0.079	13:42
EXTERNAL STANDARD	0.000	13:42
BLANK TEST	0.000	13:43

OMB



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100398

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/03/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 30.07: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 708 psi

BLANK TEST	0.000	13:30
INTERNAL STANDARD	VERIFIED	13:30
Xq = 0.096 (1.10%)		
EXTERNAL STANDARD	0.078	13:30
X[1] = 0.0783 (0.0003) (-0.0010)		
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.079	13:31
X[1] = 0.0786 (0.0003) (-0.0014)		
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.079	13:32
X[1] = 0.0788 (0.0009) (-0.0004)		
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.078	13:33
X[1] = 0.0782 (-0.0001) (-0.0001)		
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.079	13:34
X[1] = 0.0786 (0.0006) (-0.0006)		
BLANK TEST	0.000	13:35

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 46.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.79 V	PASSED
(1.09 V - 2.55 V)	
Cooler Voltage = 1.76 V	PASSED
(1.06 V - 2.46 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 526 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 30.1 in	

PUMP INFO

Flow Rate = 4.832 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

Xq = 0.095	0.09%	(0.00% - 4.00%)	PASSED
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