

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 04/03/2018
Effective: 04/04/2018

Version: DMEF2018 R0
Status: Active

Instrument # 100421

Date: 05/21/2019 - 05/22/19

Analyst: Derech Walton

1. Reason for instrument evaluation

Instrument refurbished by manufacturer

2. Visual Inspection

- | | |
|--|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Gas Valve upright or secured to wall | <input checked="" type="checkbox"/> All tubing and connections are secure |

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Reset options. Installed 3.02 (full version).

Attempted non-drinking subject test and 5 way valve stuck. Replaced 5 way valve.

Ran non-drinking subject test again. Test passed with no issues.

5. VOC (attached)

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

7. Verify software version

- | | |
|---|--|
| <input type="checkbox"/> Return to Factory for Repair | <input type="checkbox"/> Ready for Calibration |
| <input checked="" type="checkbox"/> Ready for Certification | <input type="checkbox"/> Proceed to Close Out |

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100421

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 05/22/2019

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 885 psi

BLANK TEST	0.000	09:27
INTERNAL STANDARD	VERIFIED	09:27
Xq = 0.098	(0.97%)	
EXTERNAL STANDARD	0.081	09:27
X[1] = 0.0805 (0.0001)	(0.0008)	
BLANK TEST	0.000	09:28
EXTERNAL STANDARD	0.080	09:29
X[1] = 0.0799 (0.0000)	(0.0011)	
BLANK TEST	0.000	09:29
EXTERNAL STANDARD	0.079	09:30
X[1] = 0.0794 (-0.0002)	(0.0007)	
BLANK TEST	0.000	09:31
EXTERNAL STANDARD	0.080	09:31
X[1] = 0.0799 (-0.0001)	(0.0009)	
BLANK TEST	0.000	09:32
EXTERNAL STANDARD	0.080	09:32
X[1] = 0.0799 (-0.0002)	(0.0004)	
BLANK TEST	0.000	09:33

Average = 0.0800
Std Dev = 0.0007

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 = 1.77 V	PASSED
(1.06 V - 2.48 V)	
Cooler Voltage = 1.75 V	PASSED
(1.05 V - 2.45 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 528 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.765 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

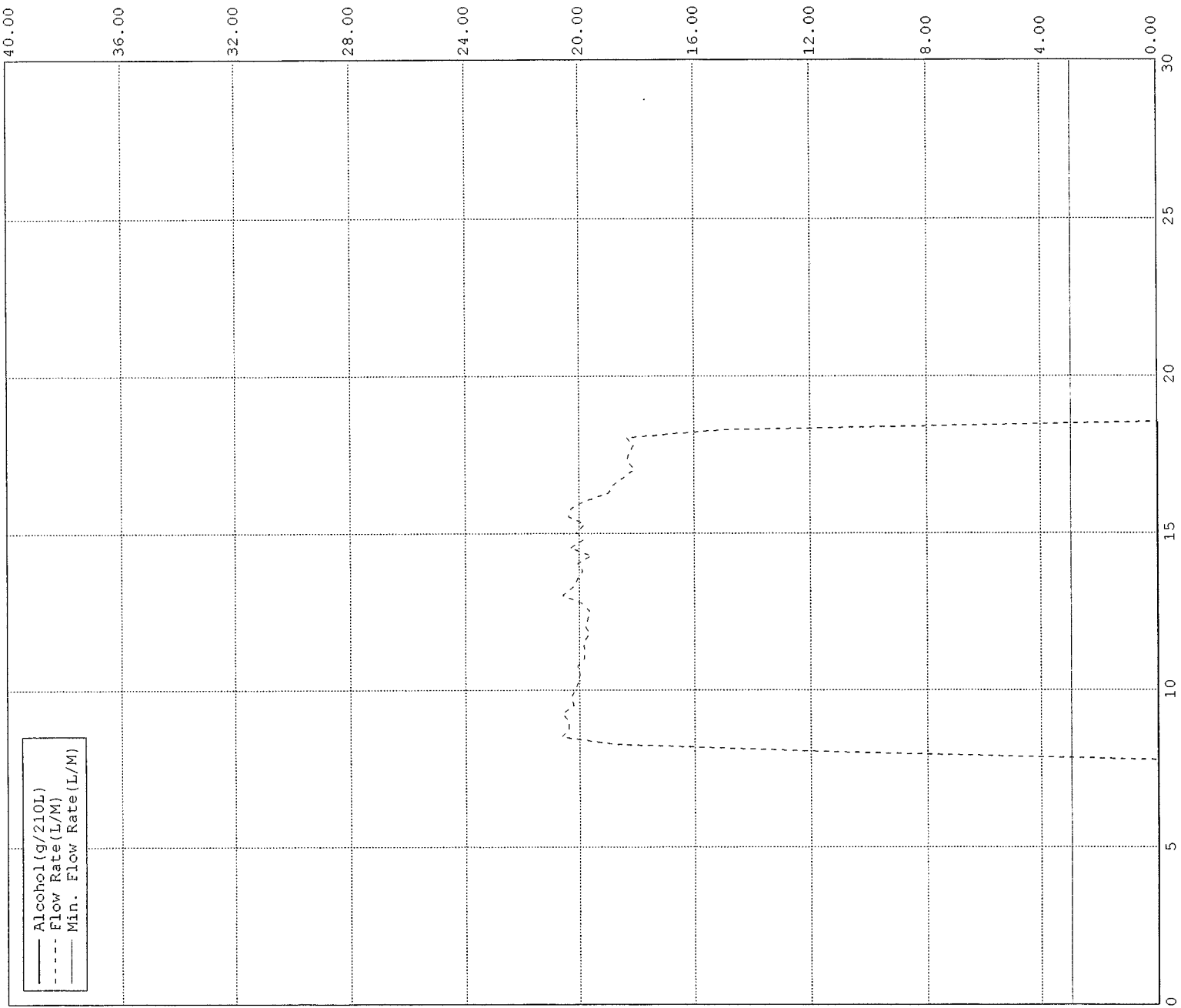
PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.098	0.80%	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

 Alaska Department of Public Safety
 DATAMASTER dmt: 100421

 Date: 05/22/2019
 Time: 09:34:52

SUBJECT NAME:
 TEST TEST
 LICENSE #: XXXX

OPERATOR NAME:
 DEREK WALTON
 OPERATOR'S #: 9508

DEPT/AGENCY:
 NON-DRINKING SUBJECT
 CASE/REPORT: XXXX
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.080
 TARGET AT 29.84: 0.080
 LOT #: AG826101
 EXPIRATION: 09/18/2020

DIAGNOSTIC CHECK	PASSED	09:35
BLANK TEST	0.000	09:36
INTERNAL STANDARD	VERIFIED	09:36
EXTERNAL STANDARD	0.081	09:36
BLANK TEST	0.000	09:37
SUBJECT SAMPLE (Vol=3.39L)	0.000	09:37
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.080	09:38
BLANK TEST	0.000	09:39

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