Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Version: DMEF2015 R0

E	ffective: 7/10/2015 Status: Active
	ment #
1.	Reason for instrument evaluation Interference detected on external standard and PUMP ON / PUMP OFF failures during diagnostic
	Visual Inspection Troubleshooting/Repair
	Monitored detector voltage in tech mode. The voltage is not stable when composed to other DMTS - 12/11/15 CNF
	Restarted DMT on 8/9/16 and voltage is stuble Regulator O-ring was Missing replaced
4.	VOC (attached)
5.	Internal Standard value ≤ 3.00% Yes No □
6.	Verify software version
	Return to Factory for Repair
	Ready For Calibration
	Ready For Certification

Issued: 7/10/2015

of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100416 Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program Date: 12/11/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.03: 0.078 LOT #: 01315080A2

EXPIRATION: 02/05/2017 TANK PRESSURE: 377 psi

BLANK TEST 0.000 10:35 INTERNAL STANDARD VERIFIED 10:35 Xq = 0.087 (0.80%)EXTERNAL STANDARD 0.076 10:35 X[1] = 0.0760 (-0.0030) (-0.0004)BLANK TEST 0.000 10:36 EXTERNAL STANDARD INTERFERENCE 10:36 X[1] = 0.0745 (-0.0051) (-0.0017)

Interference Detected

Diagno	stic	Check
12148110	ouc	CHOOK

VERSIONS DMT: 3.01 PIC: 3.02 Modem: 2.6 Ouestions: 2.2

Questions: 2.2	
TEMPERATURES	
Sample Chamber = 48.8°C (44.0°C - 52.0°C)	PASSED
Breath Tube = 42.8°C (38.0°C - 50.0°C)	PASSED
SETTINGS	
Lamp Voltage = 1.60 V (0.96 V - 2.24 V)	PASSED
Cooler Voltage = 1.64 V (0.98 V - 2.30 V)	PASSED
Bias Voltage = 82 V (49 V + 115 V)	PASSED
Chopper Freq = 522 Hz (475 Hz - 575 Hz)	PASSED
Barometer = 29.0 in	
PUMP INFO	
Flow Rate = 4.605 L/M (3.500 L/M - 6.500 L/M)	PASSED
DETECTOR INFO	
PUMP ON	PASSED
(0.002 V <= 0.010 V) PUMP OFF	PASSED
(0.002 V <= 0.010 V)	rassed
FILTER INFO	
Filter 1 Filter 2	PASSED
Filter 3	PASSED PASSED

-INTERNAL STANDARD PASSED-Xq = 0.085 2.50%(0.008 - 4.008)

- 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
- (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.

NT4- T P-1-		
Nita J.Bolz		
Scientific Director		
State Breath Alcohol Program		
Subscribed and sworn before me this	day of	,20

of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100416 Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/11/2015

External Standard Test Values Diagnostic Check EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 VERSIONS TARGET AT 29.03: 0.078 DMT: 3.01 PIC: 3.02 LOT #: 01315080A2 EXPIRATION: 02/05/2017 Modem: 2.6 TANK PRESSURE: 371 psi Questions: 2.2 BLANK TEST 0.000 10:43 TEMPERATURES VERIFIED 10:43 INTERNAL STANDARD Xq = 0.086 (1.30%)Sample Chamber = 48.7°C PASSED (44.0°C - 52.0°C) 0.075 10:43 EXTERNAL STANDARD Breath Tube = 44.2°C X[1] = 0.0754 (-0.0048) (-0.0014)PASSED 0.000 10:44 0.075 10:45 (38.0°C - 50.0°C) BLANK TEST EXTERNAL STANDARD X[1] = 0.0752 (-0.0047) (-0.0015)SETTINGS BLANK TEST Lamp Voltage = 1.60 V PASSED 0.000 10:45 EXTERNAL STANDARD INTERFERENCE 10:46 (0.96 V - 2.24 V)X[1] = 0.0748 (-0.0053) (-0.0011)Cooler Voltage = 1.64 V PASSED (0.98 V - 2.30 V)Bias Voltage = 82 V PASSED Interference Detected (49 V - 115 V)Chopper Freq = 523 Hz PASSED (475 Hz - 575 Hz) Barometer = 29.0 inPUMP INFO Flow Rate = 4.686 L/MPASSED (3.500 L/M - 6.500 L/M)DETECTOR INFO PUMP ON PASSED $(0.002 \text{ V} \iff 0.010 \text{ V})$ PUMP OFF PASSED $(0.002 \text{ V} \leq 0.010 \text{ V})$ FILTER INFO Filter 1 PASSED Filter 2 PASSED Filter 3 PASSED INTERNAL STANDARD PASSED- $Xq = 0.086 \ 2.00\% \ (0.00\% - 4.00\%)$

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of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100416 Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 12/11/2015

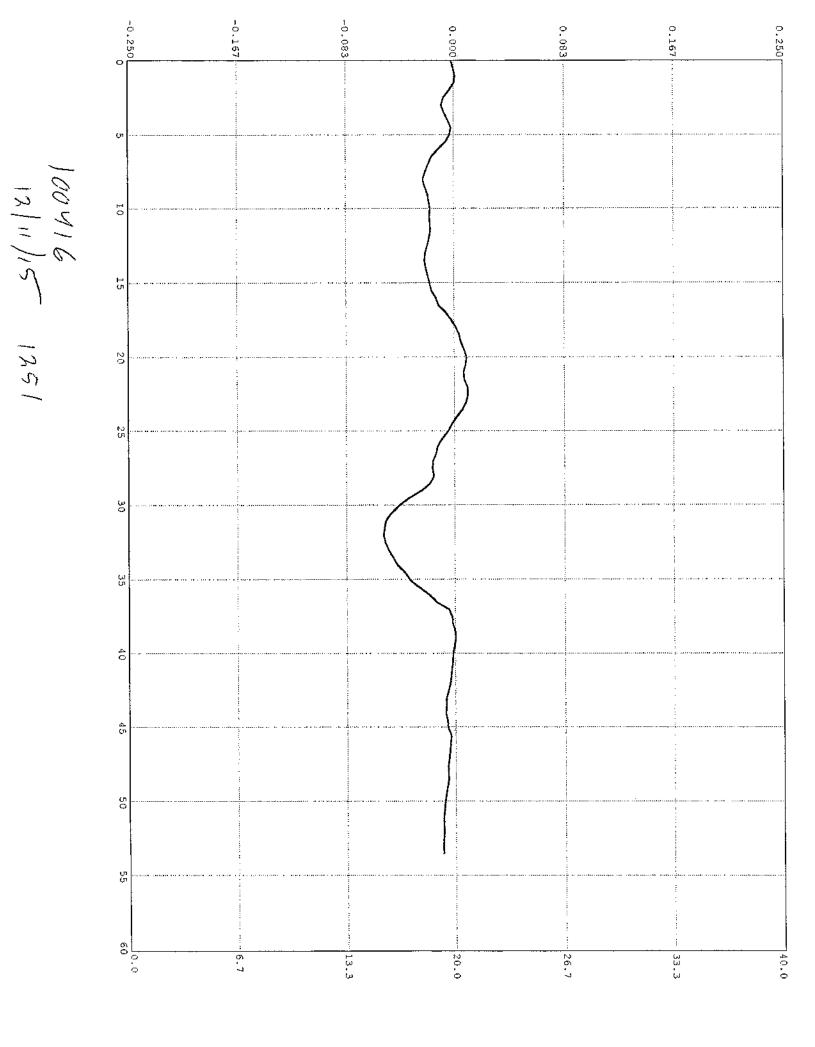
External Standard Test Values Diagnostic Check **VERSIONS** DMT: 3.01 PIC: 3.02 Modem: 2.6 Questions: 2.2 TEMPERATURES Sample Chamber = 48.7°C PASSED (44.0°C - 52.0°C) Breath Tube = 47.3°C PASSED $(38.0^{\circ}C - 50.0^{\circ}C)$ SETTINGS Lamp Voltage = 1.60 V PASSED (0.96 V - 2.24 V)Cooler Voltage = 1.68 V PASSED (0.98 V - 2.30 V)Bias Voltage = 82 V PASSED (49 V - 115 V) Chopper Freq = 530 Hz PASSED (475 Hz - 575 Hz) Barometer = 29.0 inPUMP INFO Flow Rate = 4.670 L/MPASSED (3.500 L/M - 6.500 L/M)DETECTOR INFO PUMP ON FAILED $(0.032 \text{ V} \iff 0.010 \text{ V})$ PUMP OFF FAILED $(0.022 \text{ V} \leq 0.010 \text{ V})$ FILTER INFO Filter 1 PASSED Filter 2 PASSED Filter 3 PASSED INTERNAL STANDARD PASSED (0.00% - 4.00%) $Xc_{f} = 0.086 1.30$ %

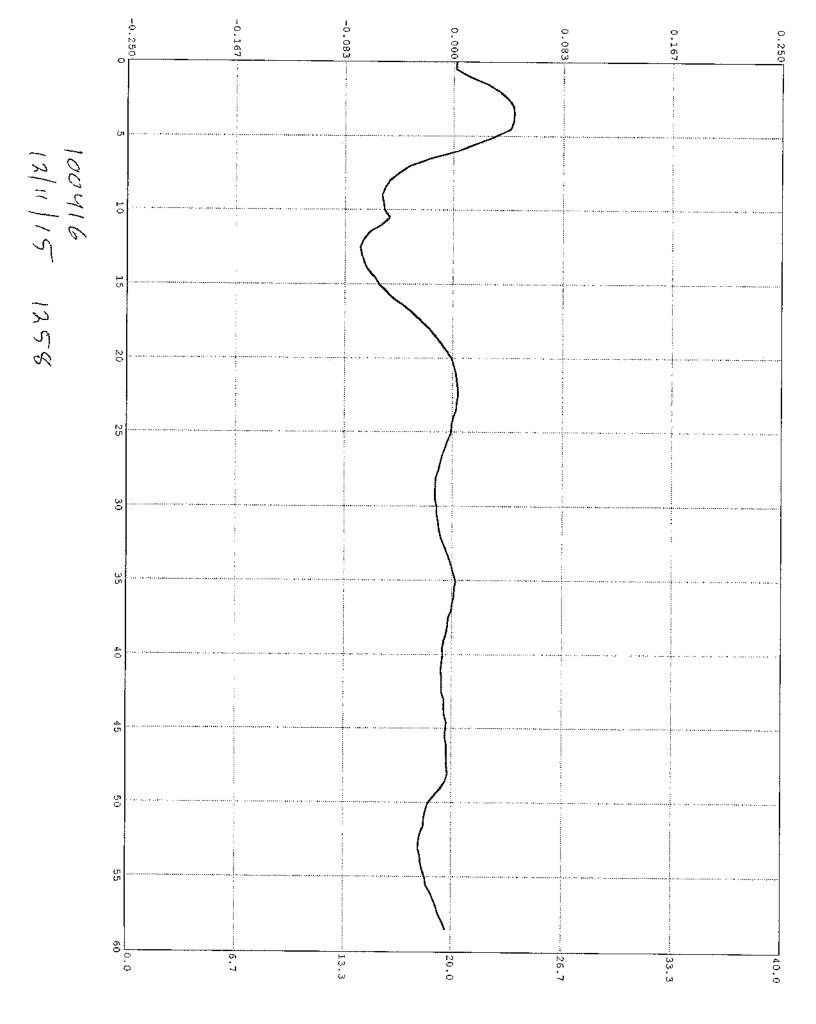
I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

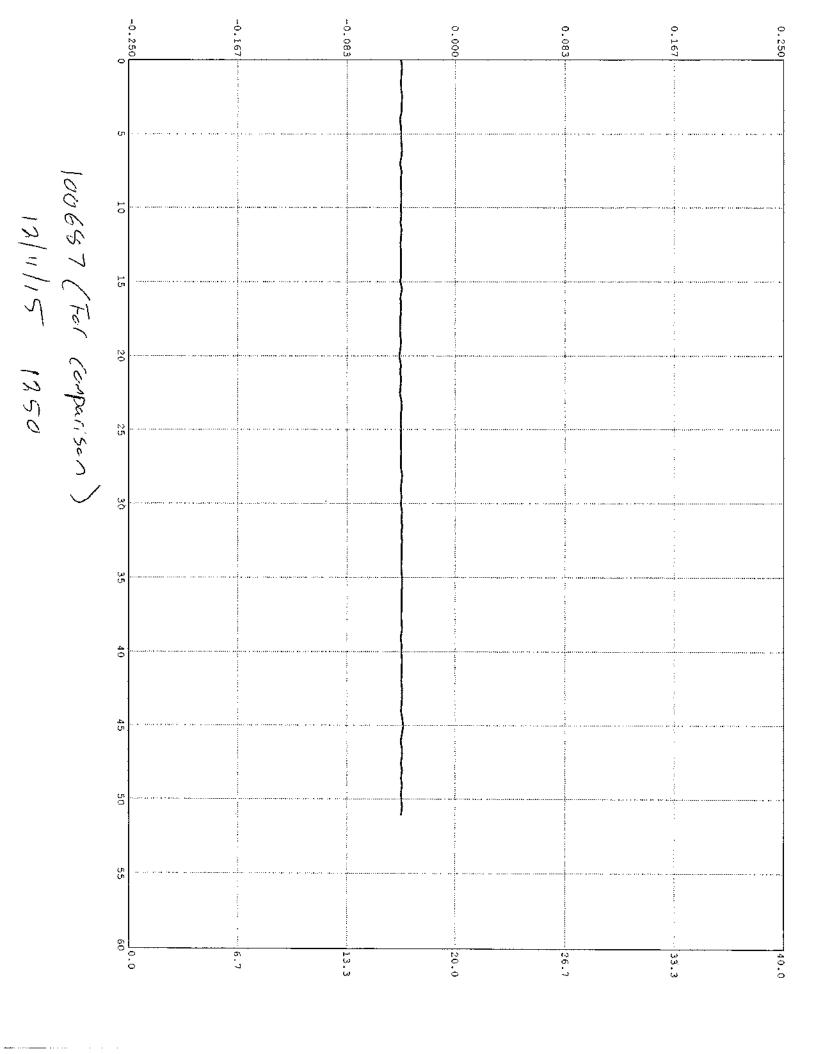
Diagnostic Check Failed

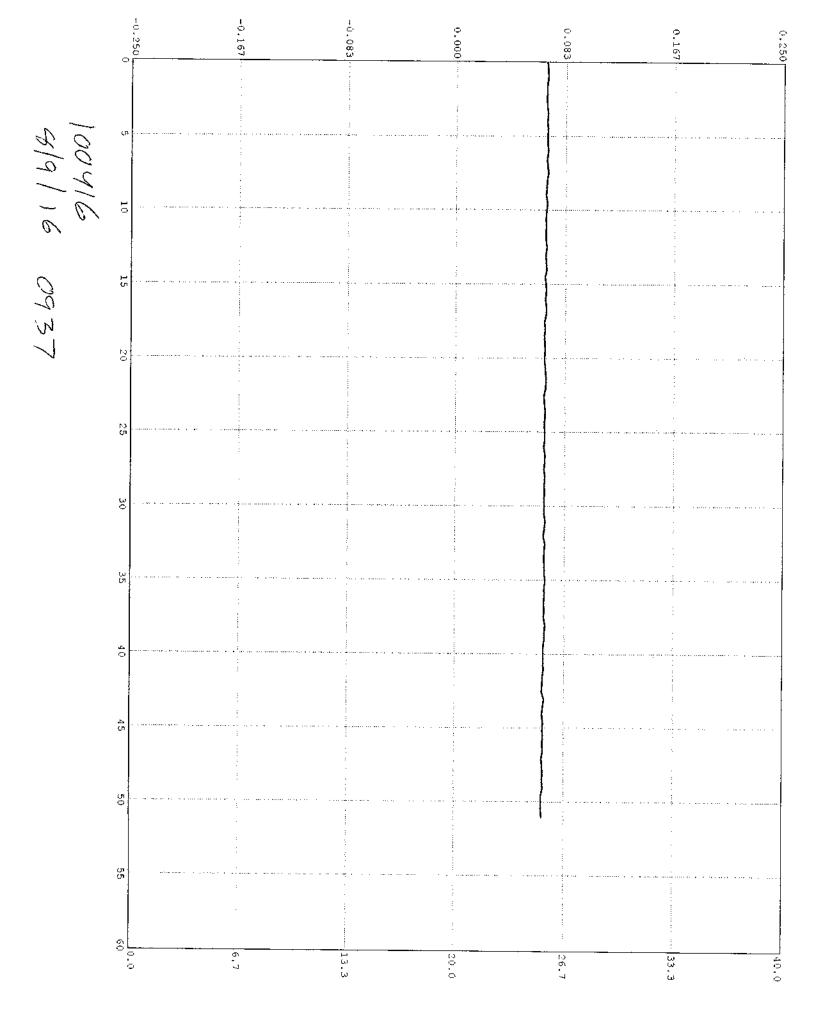
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Nita J.Bolz Scientific Director			
State Breath Alcohol Program Subscribed and sworn before me this	day of	20	
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of DataMaster dmt Breath Test Instrument State of Alaska

Serial #: 100416 Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date:08/09/2016

External Standard Test Values	Diagnostic (Check
EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.65: 0.079 LOT #: AG608504 EXPIRATION: 03/25/2018 TANK PRESSURE: 984 psi	VERSIONS DMT: 3.02 FIC: 3.02 Modem: 2.6 Questions: 2.2	
BLANK TEST 0.000 09:53 INTERNAL STANDARD VERIFIED 09:53 Xq = 0.087 (0.70%)	TEMPERATURES	
EXTERNAL STANDARD 0.077 09:54	Sample Chamber = 48.9°C (44.0°C - 52.0°C)	PASSED
X[1] = 0.0773 (-0.0040) (-0.0007) BLANK TEST 0.000 09:55 EXTERNAL STANDARD 0.077 09:55	Breath Tube = 45.2°C (38.0°C - 50.0°C)	PASSED
X[1] = 0.0768 (-0.0039) (-0.0006) BLANK TEST	SETTINGS	
BLANK TEST 0.000 09:56 EXTERNAL STANDARD 0.077 09:56	Lamp Voltage = 1.63 V (0.96 V - 2.24 V)	PASSED
X[1] = 0.0771 (-0.0032) (-0.0004) BLANK TEST 0.900 09:57	Cooler Voltage = 1.59 V (0.98 V - 2.30 V)	PASSED
EXTERNAL STANDARD 0.077 09:57 X(1) = 0.0771 (-0.0034) (0.0000)	Bias Voltage = 82 V	PASSED
BLANK TEST 0.000 09:58 EXTERNAL STANDARD 0.077 09:58 X[1] = 0.0766 (-0.0038) (-0.0003) BLANK TEST 0.000 09:59	(49 V - 115 V) Chopper Freq = 524 Hz (475 Hz - 575 Hz) Barometer = 29.7 in	PASSED
4.554 - 55.55	PUMF INFO	
Average = 0.0770 Std Dev = 0.0000	Flow Rate = 4.595 L/M (3.500 L/M - 6.500 L/M)	PASSED
	DETECTOR INFO FUMP ON	PASSED
	(0.002 V <= 0.010 V) PUMP OFF (0.002 V <= 0.010 V)	PÄSSED
	FILTER INFO Filter 1	PASSED
	Filter 2	PASSED
	Filter 3	PASSED
	INTERNAL STANDARD	PASSED-
	Xq = 0.087 0.90% (0.00% - 4	.00%)