

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 7/10/2015
Effective: 7/10/2015

Version: DMEF2015 R0
Status: Active

Instrument # 100368

Date: 9/1/15

Analyst: CRF

1. Reason for instrument evaluation

Linearity test performed on 8/31/15 had a slope
outside of 1.000 ± 0.030

2. Visual Inspection

3. Troubleshooting/Repair

Recalibration Needed

4. VOC (attached)

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

6. Verify software version

Return to Factory for Repair

Ready For Calibration

Ready For Certification

LINEARITY CHECK

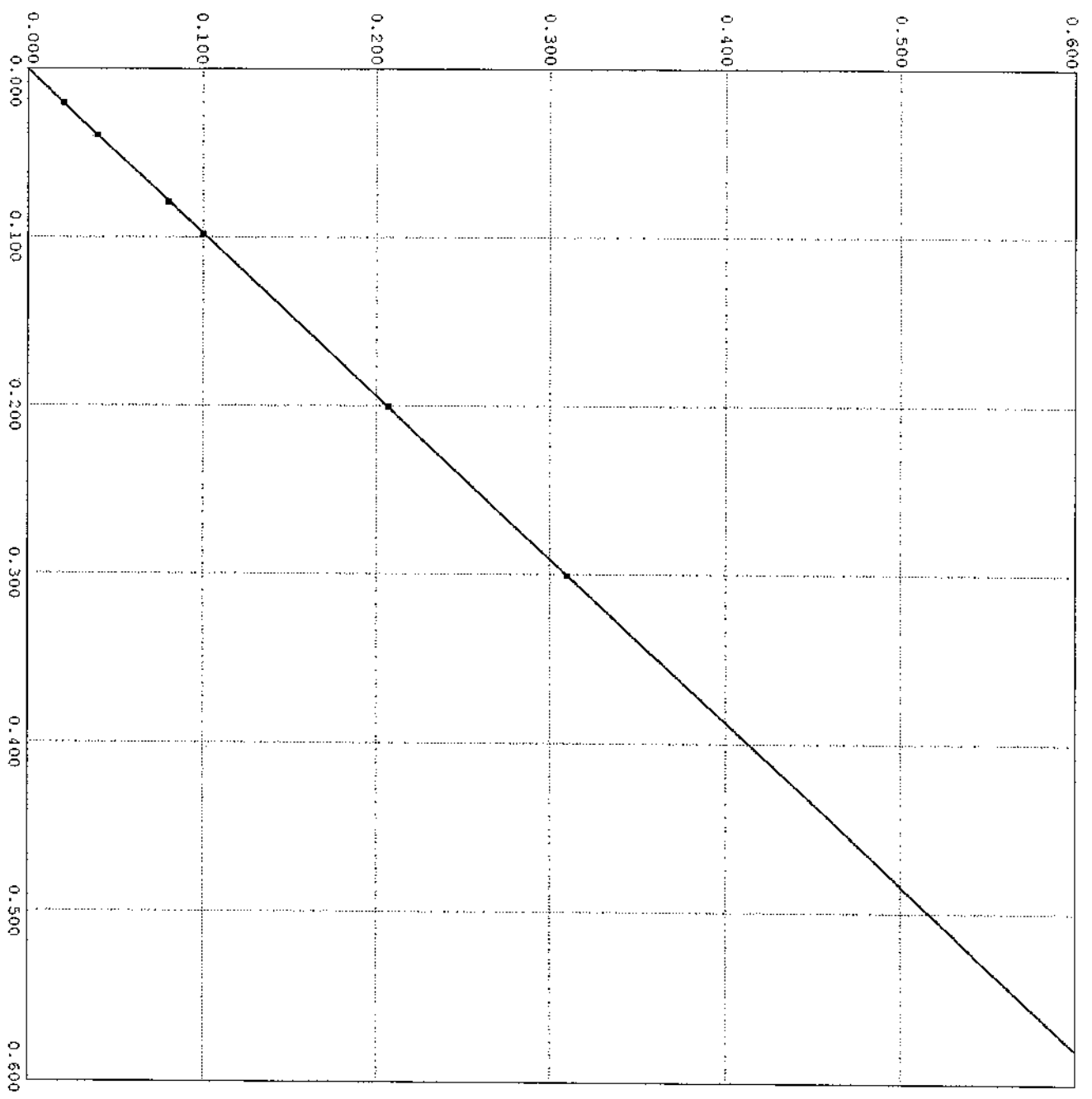
Alaska Department of Public Safety
DAPMASTER dnt: 100368

Date: 08/31/2015
Time: 11:47:29

SUPERVISOR NAME:
CHARLES FOSTER
OPERATOR'S #: 7734

TARGET	AVERAGE	STD. DEV.
0.020	0.0212	0.0004
0.039	0.0408	0.0004
0.079	0.0810	0.0000
0.098	0.1008	0.0004
0.200	0.2078	0.0004
0.300	0.3106	0.0005

SLOPE = 1.035710
R² = 0.999967



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100368

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/01/2015

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.76: 0.080
LOT #: 09214080A2
EXPIRATION: 05/01/2016
TANK PRESSURE: 549 psi

BLANK TEST	0.000	11:57
INTERNAL STANDARD	VERIFIED	11:57
Xq = 0.074 (1.84%)		
EXTERNAL STANDARD	0.081	11:58
X[1] = 0.0811 (-0.0005) (0.0040)		
BLANK TEST	0.000	11:59
EXTERNAL STANDARD	0.081	11:59
X[1] = 0.0809 (-0.0013) (0.0033)		
BLANK TEST	0.000	12:00
EXTERNAL STANDARD	0.082	12:00
X[1] = 0.0816 (-0.0007) (0.0028)		
BLANK TEST	0.000	12:01
EXTERNAL STANDARD	0.082	12:01
X[1] = 0.0817 (-0.0015) (0.0025)		
BLANK TEST	0.000	12:02
EXTERNAL STANDARD	0.082	12:02
X[1] = 0.0816 (-0.0012) (0.0030)		
BLANK TEST	0.000	12:03

Average = 0.0816
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.01
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.5°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.56 V	PASSED
(1.10 V - 2.58 V)	
Cooler Voltage = 1.76 V	PASSED
(0.95 V - 2.21 V)	
Bias Voltage = 79 V	PASSED
(48 V - 112 V)	
Chopper Freq = 558 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.819 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
(0.003 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.073 2.19%	PASSED
(0.00% - 4.00%)	

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 program records.
- (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.

Nita J. Bolz
Scientific Director
State Breath Alcohol Program

Subscribed and sworn before me this _____ day of _____, 20 _____