FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Miami Dade Police Department S/N 80-005551

Date In 2/7/2017 Date Out 2/7/2017 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED FEB 21 2017 FDLE Alcohol Testing Program

Intake Performed By DERL

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ Electronics
- ☐ Other

Visual Inspection:

OK Case	OK Handle
OK Dry Gas Holder	OK Feet
OK Keyboard/Plug	OK Back/Plugs
OK Screws tight	OK Breath Hose

Other Equipment:

- ☐ Power cord
- ☐ Printer Cable
- ☑ Other ANTI STATIC BAG

Notes:

Quality Checks Performed By DERL

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 142
- ☑ Flow Verification (L/s)

Flow Column # ATP 101

32mm .148 (.139 - .169)
36mm .171 (.156 - .190)
53mm .238 (.228 - .278)
103mm .511 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28663

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD 3967	201603D
		03/08/2018
0.08	SD3968	201601F
		01/26/2018
0.20	SD3969	201604C
		04/05/2018
0.08 DGS	N/A	AG605301
		02/22/2018

Flow Calibration Performed By

- ☑ Flow Calibration N/A
- ☐ Flow Calibration Complete

Flow Column #

- ☐ 5L/min – 17mm
- ☐ 15L/min – 53mm
- ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)

Flow Column #

32mm (.139 - .169)
36mm (.156 - .190)
53mm (.228 - .278)
103mm (.447 - .547)

Maintenance Performed By

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other

Suggested Service

Optical Bench Calibration Performed By DERL

- ☐ Optical Bench Calibration N/A
- ☑ Optical Bench Calibration Complete

Barometric Pressure Gauge 1017 ID # 168639

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2236	15108	08/18/2017
0.100	2237	15001	05/20/2017
0.200	2238	15104	05/27/2017
0.400	2239	15105	06/10/2017
0.080 DGS	N/A	03415080A1	03/05/2017

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201603D	03/08/2018
0.08	SD3968	201601F	01/26/2018
0.20	SD3969	201604C	04/05/2018
0.08 DGS	N/A	AG605301	02/22/2018

Department Inspection Performed By DERL

- ☑ Barometric Pressure ID# 28199
  1018 Gauge
  1017 Instrument

Mouth Alcohol Solution Lot # 2016A

Acetone Stock Solution Lot # 2016B

Simulator	Serial Number
0.00	SD3965
Interferent	SD3966
0.05	SD3967
0.08	SD3968
0.20	SD3969

Attachments

- ☑ Form 41
- ☑ Pre-Stability Tests
- ☐ Flow Calibration
- ☑ Optical Bench Cal
- ☑ Post-Stability Tests
- ☐ Other

Notes: E-MAILED 2/7/2017 ☑ APPROVED

QR/DC OK QSM 2/20/2017

- ☑ **Instrument Complies with Chapter 11D-8, FAC**
- ☐ **Instrument Does Not Comply with Chapter 11D-8, FAC**
- ☑ **Return to/Place into Evidentiary Use**
- ☐ **Remain Out of Evidentiary Use**
- ☑ **Conduct an Agency Inspection Before Evidentiary Use**

Brett Kirkland
Quality Control Review

2/21/17
Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-005551	Miami Dade Police Department	2/7/2017	

BK

0.05g/210L

0.047 to 0.053 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:45
Control Test	0.050	10:46
Air Blank	0.000	10:46
Control Test	0.051	10:47
Air Blank	0.000	10:48
Control Test	0.051	10:48
Air Blank	0.000	10:49

Control Test Stats

Average	0.0507
Std Dev	0.0006
Rel Std Dev(%)	1.1395

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:50
Control Test	0.081	10:51
Air Blank	0.000	10:52
Control Test	0.082	10:52
Air Blank	0.000	10:53
Control Test	0.082	10:53
Air Blank	0.000	10:54

Control Test Stats

Average	0.0817
Std Dev	0.0006
Rel Std Dev(%)	0.7070

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:55
Control Test	0.199	10:56
Air Blank	0.000	10:56
Control Test	0.200	10:57
Air Blank	0.000	10:58
Control Test	0.200	10:58
Air Blank	0.000	10:59

Control Test Stats

Average	0.1997
Std Dev	0.0006
Rel Std Dev(%)	0.2892

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:00
Control Test	0.080	11:00
Air Blank	0.000	11:01
Control Test	0.080	11:01
Air Blank	0.000	11:02
Control Test	0.079	11:02
Air Blank	0.000	11:02

RJM

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

Operator's Signature

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017 09:44:51

Auto Calibration
Max Power Res Value = 84
Auto Range Res Value = 46

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12724, 9um Io = 14107

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0400	(-0.0040)
Sample #2 =	0.0820	(0.0280)
Sample #3 =	0.0360	(0.0890)
Sample #4 =	0.0110	(0.1460)

Avg % Abs = 0.0430 (0.0877)
STD DEV = 0.0360 (0.0590)
REL STD DEV = 83.753 (67.313)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0470	(-0.0030)
Sample #2 =	0.1030	(-0.0180)
Sample #3 =	0.0920	(0.0000)
Sample #4 =	0.0750	(0.0170)

Avg % Abs = 0.0900 (-0.0003)
STD DEV = 0.0141 (0.0175)
REL STD DEV = 15.674 (5250.724)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12700, 9um Io = 14100

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7640	(-0.0140)
Sample #2 =	0.7080	(0.0470)
Sample #3 =	0.7600	(0.0430)
Sample #4 =	0.7340	(0.0840)

Avg % Abs = 0.7340 (0.0580)
STD DEV = 0.0260 (0.0226)
REL STD DEV = 3.542 (38.975)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4390	(-0.0170)
Sample #2 =	1.4250	(0.0000)
Sample #3 =	1.4310	(0.0150)
Sample #4 =	1.4370	(0.0160)

Avg % Abs = 1.4310 (0.0103)
STD DEV = 0.0060 (0.0090)
REL STD DEV = 0.419 (86.738)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12686, 9um Io = 14095

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7780	(0.0000)
Sample #2 =	1.8510	(0.0010)
Sample #3 =	1.7890	(0.0470)
Sample #4 =	1.8440	(0.0240)

Avg % Abs = 1.8280 (0.0240)
STD DEV = 0.0340 (0.0230)
REL STD DEV = 1.858 (95.833)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4970	(0.0000)
Sample #2 =	3.5170	(-0.0020)
Sample #3 =	3.4900	(0.0070)
Sample #4 =	3.5000	(0.0150)

Avg % Abs = 3.5023 (0.0067)
STD DEV = 0.0137 (0.0085)
REL STD DEV = 0.390 (127.574)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12680, 9um Io = 14092

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5370	(-0.0120)
Sample #2 =	3.4840	(0.0460)
Sample #3 =	3.4790	(0.0690)
Sample #4 =	3.5050	(0.0560)

Avg % Abs = 3.4893 (0.0570)
STD DEV = 0.0138 (0.0115)
REL STD DEV = 0.395 (20.233)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6800	(-0.0080)
Sample #2 =	6.6650	(0.0210)
Sample #3 =	6.6280	(0.0390)
Sample #4 =	6.6770	(0.0500)

Avg % Abs = 6.6567 (0.0367)
STD DEV = 0.0255 (0.0146)
REL STD DEV = 0.384 (39.928)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12673, 9um Io = 14089

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8090	(-0.0080)
Sample #2 =	6.7990	(0.0360)
Sample #3 =	6.7780	(0.0710)
Sample #4 =	6.7570	(0.0940)

Avg % Abs = 6.7780 (0.0670)
STD DEV = 0.0210 (0.0292)
REL STD DEV = 0.310 (43.591)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.6230	(0.0100)
Sample #2 =	12.6100	(0.0560)
Sample #3 =	12.6310	(0.0750)
Sample #4 =	12.6330	(0.0810)

Avg % Abs = 12.6247 (0.0707)
STD DEV = 0.0127 (0.0131)
REL STD DEV = 0.101 (18.469)

Optical Calibration
SN: 80-005551
Agency: Miami Dade P.D.
Date: 02/07/2017
Quadratic Fit: +/-0.002g/210L
By:

***** AUTO CAL DATA *****

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.043
Std Dev = 0.04 Rel Std Dev = 83.75
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.734
Std Dev = 0.03 Rel Std Dev = 3.54
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.828
Std Dev = 0.03 Rel Std Dev = 1.86
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.489
Std Dev = 0.01 Rel Std Dev = 0.40
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.778
Std Dev = 0.02 Rel Std Dev = 0.31
Zero Order Coef = -109.51
First Order Coef = 2663.91
Second Order Coef = 24.11
Standard Deviation = 50.911022

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.090
Std Dev = 0.01 Rel Std Dev = 15.67
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.431
Std Dev = 0.01 Rel Std Dev = 0.42
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.502
Std Dev = 0.01 Rel Std Dev = 0.39
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.657
Std Dev = 0.03 Rel Std Dev = 0.38
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.625
Std Dev = 0.01 Rel Std Dev = 0.10
Zero Order Coef = -110.17
First Order Coef = 1361.52
Second Order Coef = 12.37
Standard Deviation = 34.267197

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0001
0.040	0.039	0.0010
0.100	0.102	-0.0017
0.200	0.199	0.0009
0.400	0.400	-0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.039	0.0009
0.100	0.101	-0.0010
0.200	0.200	0.0005
0.400	0.400	-0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3478.00
Sample #2 = 3500.00
Sample #3 = 3505.00
Sample #4 = 3454.00
Average Result = 3486.3333
STD DEV = 28.1129
REL STD DEV = 0.806
****
***** CHANNEL 2
Sample #1 = 3464.00
Sample #2 = 3512.00
Sample #3 = 3493.00
Sample #4 = 3485.00
Average Result = 3496.6667
STD DEV = 13.8684
REL STD DEV = 0.397
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1017
3 um H20 Adjust (mg/l*10,000) = 323
9 um H20 Adjust (mg/l*10,000) = 313
**** AUTO CAL PASS

PGM BK

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-005551	Miami Dade Police Department	02/07/2017	

0.05g/210L

0.047 to 0.053 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:49
Control Test	0.047	08:49
Air Blank	0.000	08:50
Control Test	0.047	08:51
Air Blank	0.000	08:51
Control Test	0.047	08:52
Air Blank	0.000	08:52

Control Test Stats

Average	0.0470
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:54
Control Test	0.077	08:54
Air Blank	0.000	08:55
Control Test	0.076	08:56
Air Blank	0.000	08:56
Control Test	0.077	08:57
Air Blank	0.000	08:57

Control Test Stats

Average	0.0767
Std Dev	0.0006
Rel Std Dev(%)	0.7531

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:59
Control Test	0.191	08:59
Air Blank	0.000	09:00
Control Test	0.192	09:01
Air Blank	0.000	09:01
Control Test	0.193	09:02
Air Blank	0.000	09:03

Control Test Stats

Average	0.1920
Std Dev	0.0010
Rel Std Dev(%)	0.5208

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005551
02/07/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:04
Control Test	0.081	09:05
Air Blank	0.000	09:05
Control Test	0.080	09:06
Air Blank	0.000	09:06
Control Test	0.080	09:06
Air Blank	0.000	09:07

Control Test Stats

Average	0.0803
Std Dev	0.0006
Rel Std Dev(%)	0.7187

Operator's Signature

PGM
BK