FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Miami Dade Police Department S/N 80-000885

Date In 1/21/2016 Date Out 1/21/2016 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED FEB 05 2016 Alcohol Testing Program FDLE

Intake Performed By DEAL

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

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 DEAL

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 173
- ☑ Flow Verification (L/s)

Flow Column # ATP101

32mm	148	(.139 - .169)
36mm	167	(.156 - .190)
53mm	260	(.228 - .278)
103mm	539	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 68639

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201507A
		07/14/2017
0.08	SD3968	2015026
		02/24/2017
0.20	SD3969	201505A
		05/12/2017
0.08 DGS	N/A	AG431502
		11/11/2016

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 FLASH UPDATE 8100.27

Suggested Service

Optical Bench Calibration Performed By DEAR

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

Barometric Pressure Gauge 1020 ID # 28663

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2108	15708	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	201507A	07/14/2017
0.08	SD3968	2015026	02/24/2017
0.20	SD3969	201505A	05/12/2017
0.08 DGS	N/A	AG431502	11/11/2016

Department Inspection Performed By DEAR

- ☑ Barometric Pressure ID# 68639 — 1019 Gauge / 1018 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2015-B

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 01/21/2016 ✓ APPROVED

Required flash update because instrument showed Disabled Memory full even after successful download. QC-TSK

- ☑ **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**

Patricia Murphy
Quality Control Review

2/5/16
Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-000885	Miami Dade Police Department	01/21/2016	

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 ☑	0.077 to 0.083 ☑	0.194 to 0.206 ☑	0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:24
Control Test	0.050	13:25
Air Blank	0.000	13:25
Control Test	0.051	13:26
Air Blank	0.000	13:26
Control Test	0.050	13:27
Air Blank	0.000	13:28

Control Test Stats

Average	0.0503
Std Dev	0.0006
Rel Std Dev(%)	1.1471

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:29
Control Test	0.079	13:30
Air Blank	0.000	13:30
Control Test	0.079	13:31
Air Blank	0.000	13:32
Control Test	0.080	13:32
Air Blank	0.000	13:33

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:34
Control Test	0.201	13:35
Air Blank	0.000	13:35
Control Test	0.200	13:36
Air Blank	0.000	13:37
Control Test	0.200	13:37
Air Blank	0.000	13:38

Control Test Stats

Average	0.2003
Std Dev	0.0006
Rel Std Dev(%)	0.2862

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:40
Control Test	0.081	13:40
Air Blank	0.000	13:41
Control Test	0.080	13:41
Air Blank	0.000	13:42
Control Test	0.079	13:42
Air Blank	0.000	13:42

Control Test Stats

Average	0.0800
Std Dev	0.0010
Rel Std Dev(%)	1.2500

BK

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016 12:30:07

Auto Calibration
Max Power Res Value = 42
Auto Range Res Value = 31

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12783, 9um Io = 13035

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0570	(-0.0240)
Sample #2 =	0.0420	(0.0120)
Sample #3 =	0.0390	(0.0310)
Sample #4 =	0.0730	(0.0130)

Avg % Abs = 0.0513 (0.0187)
STD DEV = 0.0188 (0.0107)
REL STD DEV = 36.670 (57.282)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0810	(-0.0230)
Sample #2 =	0.0870	(-0.0260)
Sample #3 =	0.0760	(-0.0230)
Sample #4 =	0.0910	(-0.0250)

Avg % Abs = 0.0847 (-0.0247)
STD DEV = 0.0078 (0.0015)
REL STD DEV = 9.174 (6.193)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12778, 9um Io = 13039

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7420	(-0.0130)
Sample #2 =	0.7160	(0.0240)
Sample #3 =	0.7250	(0.0180)
Sample #4 =	0.7370	(0.0370)

Avg % Abs = 0.7260 (0.0263)
STD DEV = 0.0105 (0.0097)
REL STD DEV = 1.451 (36.883)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4270	(0.0090)
Sample #2 =	1.4200	(0.0180)
Sample #3 =	1.4260	(0.0070)
Sample #4 =	1.4410	(0.0230)

Avg % Abs = 1.4290 (0.0160)
STD DEV = 0.0108 (0.0082)
REL STD DEV = 0.757 (51.158)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12775, 9um Io = 13037

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7920	(-0.0080)
Sample #2 =	1.8030	(-0.0030)
Sample #3 =	1.7600	(0.0160)
Sample #4 =	1.7620	(0.0190)

Avg % Abs = 1.7759 (0.0107)
STD DEV = 0.0243 (0.0119)
REL STD DEV = 1.367 (111.847)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4880	(-0.0060)
Sample #2 =	3.5080	(-0.0030)
Sample #3 =	3.4760	(0.0000)
Sample #4 =	3.4550	(0.0210)

Avg % Abs = 3.4797 (0.0060)
STD DEV = 0.0267 (0.0131)
REL STD DEV = 0.767 (217.945)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12772, 9um Io = 13034

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4460	(-0.0150)
Sample #2 =	3.4400	(0.0280)
Sample #3 =	3.4330	(0.0190)
Sample #4 =	3.4120	(0.0250)

Avg % Abs = 3.4283 (0.0240)
STD DEV = 0.0146 (0.0046)
REL STD DEV = 0.425 (19.094)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7000	(-0.0080)
Sample #2 =	6.6760	(0.0230)
Sample #3 =	6.6390	(0.0200)
Sample #4 =	6.6570	(0.0190)

Avg % Abs = 6.6573 (0.0207)
STD DEV = 0.0185 (0.0021)
REL STD DEV = 0.278 (10.073)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12767, 9um Io = 13031

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5920	(-0.0130)
Sample #2 =	6.5880	(0.0240)
Sample #3 =	6.5630	(0.0240)
Sample #4 =	6.5780	(0.0170)

Avg % Abs = 6.5763 (0.0217)
STD DEV = 0.0126 (0.0040)
REL STD DEV = 0.191 (18.653)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.6090	(-0.0090)
Sample #2 =	12.5840	(0.0440)
Sample #3 =	12.5700	(0.0380)
Sample #4 =	12.5650	(0.0580)

Avg % Abs = 12.5730 (0.0467)
STD DEV = 0.0098 (0.0103)
REL STD DEV = 0.078 (21.993)

Optical Calibration
SN: 80-000885
Agency: Miami Dade P.D.
Date: 01/21/2016
Quadratic Fit: +/-0.002g/210L
By:

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.051
Std Dev = 0.02 Rel Std Dev = 36.67
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.726
Std Dev = 0.01 Rel Std Dev = 1.45
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.775
Std Dev = 0.02 Rel Std Dev = 1.37
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.428
Std Dev = 0.01 Rel Std Dev = 0.43
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.576
Std Dev = 0.01 Rel Std Dev = 0.19
Zero Order Coef = -115.30
First Order Coef = 2700.92
Second Order Coef = 32.36
Standard Deviation = 25.901562

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.085
Std Dev = 0.01 Rel Std Dev = 9.17
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.429
Std Dev = 0.01 Rel Std Dev = 0.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.480
Std Dev = 0.03 Rel Std Dev = 0.77
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.657
Std Dev = 0.02 Rel Std Dev = 0.28
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.573
Std Dev = 0.01 Rel Std Dev = 0.08
Zero Order Coef = -97.10
First Order Coef = 1356.80
Second Order Coef = 13.19
Standard Deviation = 22.985792

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0005
0.040	0.039	0.0009
0.100	0.100	-0.0004
0.200	0.200	-0.0000
0.400	0.400	0.0000

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0004
0.040	0.039	0.0008
0.100	0.100	-0.0005
0.200	0.200	0.0001
0.400	0.400	0.0000

13K

Sol Value = 0.000 g/210L ***
Fit value = 0.3819 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3305.00
Sample #2 = 3258.00
Sample #3 = 3381.00
Sample #4 = 3385.00
Average Result = 3332.3333
STD DEV = 72.1965
REL STD DEV = 2.161
****
***** CHANNEL 2
Sample #1 = 3455.00
Sample #2 = 3419.00
Sample #3 = 3455.00
Sample #4 = 3453.00
Average Result = 3442.3333
STD DEV = 20.2320
REL STD DEV = 0.588
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1019
3 um H2O Adjust (mg/l*10,000) = 468
9 um H2O Adjust (mg/l*10,000) = 357
**** AUTO CAL PASS

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000885	Miami Dade Police Department	01/21/2016	

0.05g/210L

0.047 to 0.053 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:16
Control Test	0.051	11:17
Air Blank	0.000	11:18
Control Test	0.052	11:18
Air Blank	0.000	11:19
Control Test	0.052	11:20
Air Blank	0.000	11:20

Control Test Stats

Average	0.0517
Std Dev	0.0006
Rel Std Dev(%)	1.1175

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:21
Control Test	0.082	11:22
Air Blank	0.000	11:23
Control Test	0.082	11:23
Air Blank	0.000	11:24
Control Test	0.083	11:24
Air Blank	0.000	11:25

Control Test Stats

Average	0.0823
Std Dev	0.0006
Rel Std Dev(%)	0.7012

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:26
Control Test	0.206	11:27
Air Blank	0.000	11:27
Control Test	0.207	11:28
Air Blank	0.000	11:29
Control Test	0.207	11:29
Air Blank	0.000	11:30

Control Test Stats

Average	0.2067
Std Dev	0.0006
Rel Std Dev(%)	0.2794

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000885
01/21/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:32
Control Test	0.082	11:33
Air Blank	0.000	11:33
Control Test	0.082	11:33
Air Blank	0.000	11:34
Control Test	0.082	11:34
Air Blank	0.000	11:35

Control Test Stats

Average	0.0820
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature