FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency MIAMI DAde Police Department S/N 80-000883

Date In 02-13-2017 Date Out 02/15/2017 ☑ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake — Performed By DERR

- ☐ 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 DERR

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 110
- ☑ Flow Verification (L/s)

Flow Column # ATP101

32mm	136	(.139 - .169)
36mm	156	(.156 - .190)
53mm	230	(.228 - .278)
103mm	496	(.447 - .547)

- ☑ Barometric Pressure Check
  Gauge ID # 28199
- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
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

Flow Calibration — Performed By DERR

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

Flow Column # ATP106

- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 111
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP104

32mm	148	(.139 - .169)
36mm	164	(.156 - .190)
53mm	238	(.228 - .278)
103mm	496	(.447 - .547)

RECEIVED
FEB 28 2017
FDLE
Alcohol Testing Program

Maintenance — Performed By ______

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

Suggested Service

______

Optical Bench Calibration — Performed By DERR

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

Barometric Pressure Gauge 1011 ID # 68639

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	SD 3967	201603D	03/08/2018
0.08	SD 3968	201601F	01/26/2018
0.20	SD 3969	201604C	04/05/2018
0.08 DGS	N/A	AG605301	02/22/2018

Department Inspection — Performed By DERR

☑ Barometric Pressure 1011 Gauge
ID# 28199 1010 Instrument

Mouth Alcohol Solution Lot # 2016A

Acetone Stock Solution Lot # 2016B

Simulator	Serial Number
0.00	SD 3965
Interferent	SD 3966
0.05	SD 3967
0.08	SD 3968
0.20	SD 3969

Attachments

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

Notes: E-MAILED 02/15/2017 ☑ APPROVED

Calibrated to bring values closer to nominal

QA/QC OK @gm 2/27/2017

- ☑ 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

2/28/17
Date

Revised November 2012

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-000883	Miami Dade Police Department	2/15/2017	

0.05g/210L

0.047 to 0.053 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:55
Control Test	0.049	10:56
Air Blank	0.000	10:56
Control Test	0.050	10:57
Air Blank	0.000	10:57
Control Test	0.051	10:58
Air Blank	0.000	10:59
Control Test Stats		
Average	0.0500	
Std Dev	0.0010	
Rel Std Dev(%)	2.0000	

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:00
Control Test	0.080	11:01
Air Blank	0.000	11:01
Control Test	0.081	11:02
Air Blank	0.000	11:03
Control Test	0.081	11:03
Air Blank	0.000	11:04
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:05
Control Test	0.198	11:06
Air Blank	0.000	11:06
Control Test	0.198	11:07
Air Blank	0.000	11:08
Control Test	0.198	11:08
Air Blank	0.000	11:09
Control Test Stats		
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:10
Control Test	0.082	11:11
Air Blank	0.000	11:11
Control Test	0.080	11:11
Air Blank	0.000	11:12
Control Test	0.081	11:12
Air Blank	0.000	11:13
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

Operator's Signature

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017 09:59:22

Auto Calibration
Max Power Res Value = 33
Auto Range Res Value = 16

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11503, 9um Io = 14165
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1150 (-0.0350)
Sample #2 = 0.0950 (0.0180)
Sample #3 = 0.0790 (0.0680)
Sample #4 = 0.0770 (0.0700)
Avg % Abs = 0.0837 (0.0520)
STD DEV = 0.0099 (0.0295)
REL STD DEV = 11.792 (56.657)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.0790 (-0.0260)
Sample #2 = 0.0770 (-0.0140)
Sample #3 = 0.0770 (0.0000)
Sample #4 = 0.0790 (-0.0020)
Avg % Abs = 0.0777 (-0.0053)
STD DEV = 0.0012 (0.0076)
REL STD DEV = 1.487 (141.973)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11488, 9um Io = 14159
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8260 (-0.0080)
Sample #2 = 0.8270 (-0.0090)
Sample #3 = 0.8110 (0.0240)
Sample #4 = 0.8220 (0.0130)
Avg % Abs = 0.8200 (0.0093)
STD DEV = 0.0082 (0.0168)
REL STD DEV = 0.998 (180.030)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.4080 (-0.0130)
Sample #2 = 1.4000 (-0.0230)
Sample #3 = 1.4260 (-0.0140)
Sample #4 = 1.4410 (-0.0320)
Avg % Abs = 1.4223 (-0.0230)
STD DEV = 0.0207 (0.0090)
REL STD DEV = 1.458 (39.130)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11485, 9um Io = 14160
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.9960 (-0.0030)
Sample #2 = 2.0150 (0.0100)
Sample #3 = 1.9790 (0.0200)
Sample #4 = 1.9840 (0.0500)
Avg % Abs = 1.9927 (0.0267)
STD DEV = 0.0195 (0.0208)
REL STD DEV = 0.979 (78.062)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.4830 (-0.0070)
Sample #2 = 3.4990 (0.0030)
Sample #3 = 3.4930 (-0.0030)
Sample #4 = 3.4650 (0.0160)
Avg % Abs = 3.4857 (0.0053)
STD DEV = 0.0181 (0.0097)
REL STD DEV = 0.521 (182.110)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11477, 9um Io = 14156
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.7660 (-0.0170)
Sample #2 = 3.8140 (-0.0130)
Sample #3 = 3.8100 (-0.0030)
Sample #4 = 3.8230 (0.0330)
Avg % Abs = 3.8157 (0.0057)
STD DEV = 0.0067 (0.0242)
REL STD DEV = 0.174 (426.947)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 6.6510 (-0.0210)
Sample #2 = 6.6750 (-0.0070)
Sample #3 = 6.6690 (0.0060)
Sample #4 = 6.7150 (0.0280)
Avg % Abs = 6.6863 (0.0090)
STD DEV = 0.0250 (0.0177)
REL STD DEV = 0.374 (196.576)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11474, 9um Io = 14155
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 7.3340 (-0.0080)
Sample #2 = 7.3770 (-0.0040)
Sample #3 = 7.3930 (0.0230)
Sample #4 = 7.3560 (-0.0010)
Avg % Abs = 7.3753 (0.0060)
STD DEV = 0.0186 (0.0148)
REL STD DEV = 0.252 (246.644)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 12.6670 (-0.0040)
Sample #2 = 12.7510 (0.0000)
Sample #3 = 12.7800 (0.0070)
Sample #4 = 12.7180 (0.0070)
Avg % Abs = 12.7497 (0.0047)
STD DEV = 0.0310 (0.0040)
REL STD DEV = 0.243 (86.603)

Optical Calibration
SN: 80-000883
Agency: Miami Dade P.D.
Date: 02/15/2017
Quadratic Fit: +/-0.002g/210L
By:

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.084
Std Dev = 0.01 Rel Std Dev = 11.79
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.820
Std Dev = 0.01 Rel Std Dev = 1.00
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.993
Std Dev = 0.02 Rel Std Dev = 0.98
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.816
Std Dev = 0.01 Rel Std Dev = 0.17
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 7.375
Std Dev = 0.02 Rel Std Dev = 0.25
Zero Order Coef = -184.69
First Order Coef = 2467.53
Second Order Coef = 19.02
Standard Deviation = 37.723042

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.078
Std Dev = 0.00 Rel Std Dev = 1.49
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.422
Std Dev = 0.02 Rel Std Dev = 1.46
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.486
Std Dev = 0.02 Rel Std Dev = 0.52
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.686
Std Dev = 0.03 Rel Std Dev = 0.37
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.750
Std Dev = 0.03 Rel Std Dev = 0.24
Zero Order Coef = -92.82
First Order Coef = 1364.75
Second Order Coef = 10.71
Standard Deviation = 25.489414

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0005
0.040	0.039	0.0011
0.100	0.101	-0.0010
0.200	0.200	0.0003
0.400	0.400	-0.0000

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.039	0.0007
0.100	0.101	-0.0007
0.200	0.200	0.0003
0.400	0.400	-0.0000

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3276.00
Sample #2 = 3178.00
Sample #3 = 3185.00
Sample #4 = 3130.00
Average Result = 3164.3333
STD DEV = 29.9388
REL STD DEV = 0.946
****
***** CHANNEL 2
Sample #1 = 3470.00
Sample #2 = 3417.00
Sample #3 = 3447.00
Sample #4 = 3404.00
Average Result = 3422.6667
STD DEV = 22.0530
REL STD DEV = 0.644
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1011
3 um H20 Adjust (mg/l*10,000) = 645
9 um H20 Adjust (mg/l*10,000) = 387
**** AUTO CAL PASS

PDPm 13K

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000883	Miami Dade Police Department	02/15/2017	

BK

0.05g/210L

0.047 to 0.053 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:50
Control Test	0.048	08:51
Air Blank	0.000	08:52
Control Test	0.049	08:52
Air Blank	0.000	08:53
Control Test	0.048	08:53
Air Blank	0.000	08:54

Control Test Stats

Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

Operator's Signature

0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:55
Control Test	0.078	08:56
Air Blank	0.000	08:57
Control Test	0.079	08:57
Air Blank	0.000	08:58
Control Test	0.079	08:59
Air Blank	0.000	08:59

Control Test Stats

Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

0.20g/210L

0.194 to 0.206 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:08
Control Test	0.198	09:08
Air Blank	0.000	09:09
Control Test	0.198	09:10
Air Blank	0.000	09:10
Control Test	0.198	09:11
Air Blank	0.000	09:11

Control Test Stats

Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

DGS 0.08g/210L

0.077 to 0.083 ☑

MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000883
02/15/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:13
Control Test	0.080	09:13
Air Blank	0.000	09:14
Control Test	0.079	09:14
Air Blank	0.000	09:15
Control Test	0.078	09:15
Air Blank	0.000	09:15

Control Test Stats

Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

Operator's Signature

GPM

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Flow calibration	80-000883	Miami Dade Police Department	02/15/2017	[illegible]

```
MIAMI-DADE PD
Intoxilyzer - Alcohol Analyzer
Model 8000                  SN 80-000883
02/15/2017
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) =  5
   SQRT(Diff) ) =   4.000
2: Rate (Liters/min) = 15
   SQRT(Diff) ) =  10.000
3: Rate (Liters/min) = 30
   SQRT(Diff) ) =  20.195
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 600
Rounded Intercept = -84085
Correlation = 0.99944
```

PGM

BK