



Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Palm Beach County Sheriff's Office/N 80-001270  
Date In 2/15/2016 Date Out 2/15/2016  Ship  P/U  H/D  CMI  EE

**Intake** Performed By DEAR

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 \_\_\_\_\_

Notes: \_\_\_\_\_

**Quality Checks** Performed By DEAR

Breath Tube Screen  
 Replace O-Rings  
 Instrument Set Up Verified  
 R-Value 203  
 Flow Verification (L/s)  
 Flow Column # ATP101  
 32mm 156 (.139 - .169)  
 36mm 171 (.156 - .190)  
 53mm 242 (.228 - .278)  
 103mm 496 (.447 - .547)

Barometric Pressure Check  
 Gauge ID # 68639

Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3967	201507A 07/14/2017
0.08	SD3968	201502G 02/24/2017
0.20	SD3969	201505A 05/12/2017
0.08 DGS	N/A	A65078D3 03/16/2017

**Flow Calibration** Performed By \_\_\_\_\_

Flow Calibration N/A  
 Flow Calibration Complete  
 Flow Column # \_\_\_\_\_  
 5L/min - 17mm  
 15L/min - 103mm  
 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** \_\_\_\_\_

RECEIVED  
FEB 29 2016  
FDLE  
Alcohol Testing Program

**Optical Bench Calibration** Performed By DEAR

Optical Bench Calibration N/A  
 Optical Bench Calibration Complete  
 Barometric Pressure Gauge 1015 ID # 68639

Simulator	Serial Number	Lot Number	Expiration
0.000	2235	N/A	N/A
0.040	2108	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

**Department Inspection** Performed By DEAR

Barometric Pressure 1016 / 1014 Gauge  
 ID# 28199 / 28199 1009 / 1016 Instrument

Mouth Alcohol Solution Lot # 2015-A / 2015-A  
 Acetone Stock Solution Lot # 2015-B / 2015-B

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

Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3967	201507A	07/14/2017
0.08	SD3968	201502G	02/24/2017
0.20	SD3969	201505A	05/12/2017
0.08 DGS	N/A	A65078D3	03/16/2017

**Attachments**

Form 41  
 Pre-Stability Tests  
 Flow Calibration

Optical Bench Cal  
 Post-Stability Tests  
 Other FORM 41

Notes:  **E-MAILED**  **APPROVED**  
2/15/2016  
Recalibrated to bring 0.20g values closer to optimum  
QC-BK

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

Patrick Murphy  
Quality Control Review

2/29/16  
Date

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Post Stabilities	80-001270	Palm Beach County Sheriff's Office	02/16/2016	<i>Bill</i>

*Bill*

0.05g/210L 0.047 to 0.053 <input checked="" type="checkbox"/>	0.08g/210L 0.077 to 0.083 <input checked="" type="checkbox"/>	0.20g/210L 0.194 to 0.206 <input checked="" type="checkbox"/>	DGS 0.08g/210L 0.077 to 0.083 <input checked="" type="checkbox"/>
PALM BEACH CO SO Intoxilizer - Alcohol Analyzer Model 8000 SN 80-001270 02/16/2016 Software: 8100.27  Test g/210L Time Air Blank 0.000 09:36 Control Test 0.051 09:36 Air Blank 0.000 09:37 Control Test 0.050 09:37 Air Blank 0.000 09:38 Control Test 0.051 09:39 Air Blank 0.000 09:39 Control Test Stats Average 0.0503 Std Dev 0.0006 Rel Std Dev(%) 1.1471  Operator's Signature <i>Bill</i>	PALM BEACH CO SO Intoxilizer - Alcohol Analyzer Model 8000 SN 80-001270 02/16/2016 Software: 8100.27  Test g/210L Time Air Blank 0.000 09:41 Control Test 0.080 09:41 Air Blank 0.000 09:42 Control Test 0.079 09:42 Air Blank 0.000 09:43 Control Test 0.080 09:44 Air Blank 0.000 09:44 Control Test Stats Average 0.0797 Std Dev 0.0006 Rel Std Dev(%) 0.7247  Operator's Signature <i>Bill</i>	PALM BEACH CO SO Intoxilizer - Alcohol Analyzer Model 8000 SN 80-001270 02/16/2016 Software: 8100.27  Test g/210L Time Air Blank 0.000 09:46 Control Test 0.200 09:47 Air Blank 0.000 09:47 Control Test 0.200 09:48 Air Blank 0.000 09:48 Control Test 0.200 09:49 Air Blank 0.000 09:50 Control Test Stats Average 0.2000 Std Dev 0.0000 Rel Std Dev(%) 0.0000  Operator's Signature <i>Bill</i>	PALM BEACH CO SO Intoxilizer - Alcohol Analyzer Model 8000 SN 80-001270 02/16/2016 Software: 8100.27  Test g/210L Time Air Blank 0.000 09:52 Control Test 0.080 09:52 Air Blank 0.000 09:53 Control Test 0.080 09:53 Air Blank 0.000 09:54 Control Test 0.080 09:54 Air Blank 0.000 09:54 Control Test Stats Average 0.0800 Std Dev 0.0000 Rel Std Dev(%) 0.0000  Operator's Signature <i>Bill</i>

099m

PLUM BEACH CO SD  
NitroXigler - Piccolo Analyzer  
Model 8000 SN 80-001270  
12/16/2016 08:23:30

Auto Calibration  
Max Power Res Value = 30  
Auto Range Res Value = 36

SoI Value = 0.000 g/210L \*\*\*  
Fit Value = 0.0000 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12582, Sum Io = 12938

Channel 1  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.1050 (-0.0180)  
Sample #2 = 0.0790 (0.0400)  
Sample #3 = 0.1110 (0.0390)  
Sample #4 = 0.1160 (0.0580)  
Avg % Abs = 0.1020 (0.0457)  
STD DEV = 0.0201 (0.0107)  
REL STD DEV = 0.1968 (23.415)

Channel 2  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.1190 (-0.0110)  
Sample #2 = 0.1140 (0.0010)  
Sample #3 = 0.1020 (0.0130)  
Sample #4 = 0.1390 (0.0040)  
Avg % Abs = 0.1183 (0.0060)  
STD DEV = 0.0189 (0.0062)  
REL STD DEV = 0.1592 (104.083)

SoI Value = 0.040 g/210L \*\*\*  
Fit Value = 0.1905 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12556, Sum Io = 12927  
Channel 1  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.7850 (-0.0190)  
Sample #2 = 0.8410 (-0.0270)  
Sample #3 = 0.8180 (0.0180)  
Sample #4 = 0.8280 (0.0120)  
Avg % Abs = 0.8283 (0.0010)  
STD DEV = 0.0117 (0.0244)  
REL STD DEV = 0.1410 (2443.359)

Channel 2  
Sample % Abs (% Abs Ref)  
Sample #1 = 1.5130 (-0.0180)  
Sample #2 = 1.5220 (-0.0140)  
Sample #3 = 1.5220 (-0.0040)  
Sample #4 = 1.5200 (0.0000)  
Avg % Abs = 1.5247 (-0.0060)  
STD DEV = 0.0064 (0.0072)  
REL STD DEV = 0.422 (120.185)

SoI Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12548, Sum Io = 12925

Channel 1  
Sample % Abs (% Abs Ref)  
Sample #1 = 1.9360 (-0.0240)  
Sample #2 = 1.9190 (-0.0020)  
Sample #3 = 1.9280 (0.0000)  
Sample #4 = 1.9280 (0.0370)  
Avg % Abs = 1.9250 (0.0117)  
STD DEV = 0.0052 (0.0020)  
REL STD DEV = 0.270 (188.246)

Channel 2  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.6170 (-0.0120)  
Sample #2 = 3.6010 (-0.0040)  
Sample #3 = 3.6270 (-0.0050)  
Sample #4 = 3.6460 (0.0070)  
Avg % Abs = 3.6247 (-0.0007)  
STD DEV = 0.0226 (0.0067)  
REL STD DEV = 0.623 (998.749)

SoI Value = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12545, Sum Io = 12918  
Channel 1  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.7460 (-0.0190)  
Sample #2 = 3.7330 (0.0100)  
Sample #3 = 3.7230 (0.0550)  
Sample #4 = 3.7220 (0.0720)  
Avg % Abs = 3.7260 (0.0457)  
STD DEV = 0.0161 (0.0320)  
REL STD DEV = 0.163 (70.153)

Channel 2  
Sample % Abs (% Abs Ref)  
Sample #1 = 6.9540 (-0.0060)  
Sample #2 = 6.9490 (0.0180)  
Sample #3 = 6.9480 (0.0340)  
Sample #4 = 6.9520 (0.0380)  
Avg % Abs = 6.9497 (0.0300)  
STD DEV = 0.0021 (0.0106)  
REL STD DEV = 0.030 (35.277)

SoI Value = 0.400 g/210L \*\*\*  
Fit Value = 1.9048 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12532, Sum Io = 12914

Channel 1  
Sample % Abs (% Abs Ref)  
Sample #1 = 7.1050 (-0.0200)  
Sample #2 = 7.0940 (-0.0010)  
Sample #3 = 7.1150 (-0.0040)  
Sample #4 = 7.0950 (-0.0020)  
Avg % Abs = 7.1013 (-0.0023)  
STD DEV = 0.0118 (0.0015)  
REL STD DEV = 0.167 (65.465)

Channel 2  
Sample % Abs (% Abs Ref)  
Sample #1 = 13.0430 (-0.0170)  
Sample #2 = 12.9740 (0.0110)  
Sample #3 = 13.0130 (-0.0120)  
Sample #4 = 12.9630 (0.0090)  
Avg % Abs = 12.9833 (0.0027)  
STD DEV = 0.0263 (0.0127)  
REL STD DEV = 0.202 (477.788)

SoI Value = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Io = 12545, Sum Io = 12918  
Channel 1  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.7460 (-0.0190)  
Sample #2 = 3.7330 (0.0100)  
Sample #3 = 3.7230 (0.0550)  
Sample #4 = 3.7220 (0.0720)  
Avg % Abs = 3.7260 (0.0457)  
STD DEV = 0.0161 (0.0320)  
REL STD DEV = 0.163 (70.153)

Optical Calibration  
SN: 80-001270  
Agency: Palm Beach County  
Date: 02/16/2016  
Quadratic Fit: +/-0.002g/210L  
By: [Signature]

\*\*\*\* AUTO CRL DATA \*\*\*\*

Channel 1  
SoI Val = 0.0000 mg/l or 0.000 g/210L  
% Abs = 0.102  
Std Dev = 0.02 Rel Std Dev = 19.68  
SoI Val = 0.1905 mg/l or 0.040 g/210L  
% Abs = 0.828  
Std Dev = 0.01 Rel Std Dev = 1.41  
SoI Val = 0.4762 mg/l or 0.100 g/210L  
% Abs = 1.925  
Std Dev = 0.01 Rel Std Dev = 0.27  
SoI Val = 0.9524 mg/l or 0.200 g/210L  
% Abs = 3.726  
Std Dev = 0.01 Rel Std Dev = 0.16  
SoI Val = 1.9048 mg/l or 0.400 g/210L  
% Abs = 7.101  
Std Dev = 0.01 Rel Std Dev = 0.17  
Zero Order Coef = -231.40  
First Order Coef = 2529.36  
Second Order Coef = 26.00  
Standard Deviation = 27.315018

Channel 2  
SoI Val = 0.0000 mg/l or 0.000 g/210L  
% Abs = 0.118  
Std Dev = 0.02 Rel Std Dev = 15.95  
SoI Val = 0.1905 mg/l or 0.040 g/210L  
% Abs = 1.525  
Std Dev = 0.01 Rel Std Dev = 0.42  
SoI Val = 0.4762 mg/l or 0.100 g/210L  
% Abs = 3.625  
Std Dev = 0.02 Rel Std Dev = 0.62  
SoI Val = 0.9524 mg/l or 0.200 g/210L  
% Abs = 6.950  
Std Dev = 0.00 Rel Std Dev = 0.03  
SoI Val = 1.9048 mg/l or 0.400 g/210L  
% Abs = 12.983  
Std Dev = 0.03 Rel Std Dev = 0.20  
Zero Order Coef = -129.15  
First Order Coef = 1294.73  
Second Order Coef = 14.01  
Standard Deviation = 22.506712

Channel 1  
SoI Val = 0.080 g/210L \*\*\*  
Fit Value = 0.3810 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Channel 2  
SoI Val = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 mg/l %\*\*\*  
Samples Taken = 4, Discarded = 1  
Dry Gas H2O Adjust Results \*\*\*\*\*  
Barometric Pressure = 1015  
3 um H2O Adjust (mg/l\*10,000) = 696  
9 um H2O Adjust (mg/l\*10,000) = 447  
\*\*\*\* AUTO CRL PHSS

Solution Stats Quadratic Fit Chan 1  
Act Fit Residual  
g/210L g/210L g/210L  
0.000 0.001 -0.0005  
0.040 0.039 0.0006  
0.100 0.100 0.0003  
0.200 0.200 -0.0005  
0.400 0.400 0.0001

Solution Stats Quadratic Fit Chan 2  
Act Fit Residual  
g/210L g/210L g/210L  
0.000 0.001 -0.0005  
0.040 0.039 0.0006  
0.100 0.100 0.0003  
0.200 0.200 -0.0005  
0.400 0.400 0.0001

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-001270	Palm Beach County Sheriff's Office	02/15/2016	<i>WLL</i>

*WLL*

0.05g/210L <input checked="" type="checkbox"/>	0.077 to 0.083 <input checked="" type="checkbox"/>	0.194 to 0.206 <input checked="" type="checkbox"/>	DGS 0.08g/210L <input checked="" type="checkbox"/>
<p>0.047 to 0.053 <input checked="" type="checkbox"/></p>	<p>0.077 to 0.083 <input checked="" type="checkbox"/></p>	<p>0.194 to 0.206 <input checked="" type="checkbox"/></p>	<p>0.077 to 0.083 <input checked="" type="checkbox"/></p>

PALM BEACH CO SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001270  
02/15/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.051	09:39
Air Blank	0.000	09:40
Control Test	0.050	09:41
Air Blank	0.000	09:41
Control Test	0.050	09:42
Air Blank	0.000	09:42
Control Test	0.000	09:42
Control Test Stats		
Average	0.0503	
Std Dev	0.0006	
Rel Std Dev(%)	1.1471	

*WLL*  
Operator's Signature

PALM BEACH CO SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001270  
02/15/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:45
Control Test	0.079	09:45
Air Blank	0.000	09:46
Control Test	0.079	09:47
Air Blank	0.000	09:47
Control Test	0.079	09:48
Air Blank	0.000	09:48
Control Test	0.000	09:48
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

*WLL*  
Operator's Signature

PALM BEACH CO SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001270  
02/15/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:50
Control Test	0.198	09:51
Air Blank	0.000	09:51
Control Test	0.197	09:52
Air Blank	0.000	09:53
Control Test	0.198	09:53
Air Blank	0.000	09:54
Control Test	0.000	09:54
Control Test Stats		
Average	0.1977	
Std Dev	0.0006	
Rel Std Dev(%)	0.2921	

*WLL*  
Operator's Signature

PALM BEACH CO SO  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001270  
02/15/2016  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:58
Control Test	0.081	09:58
Air Blank	0.000	09:59
Control Test	0.082	09:59
Air Blank	0.000	10:00
Control Test	0.082	10:00
Air Blank	0.000	10:01
Control Test	0.000	10:01
Control Test Stats		
Average	0.0817	
Std Dev	0.0006	
Rel Std Dev(%)	0.7070	

*WLL*  
Operator's Signature