FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Pinellas County S/N 80-000788

Date In 1/5/17 Date Out 1/18/17 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

RECEIVED JAN 19 2017 FDLE Alcohol Testing Program

Intake Performed By DP

- ☐ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement
- ☐ 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 Static Bag

Notes:

Quality Checks Performed By RMS

- ☑ Breath Tube Screen
- ☑ Replace O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 217
- ☑ Flow Verification (L/s)

Flow Column # ATP105

32mm	0.152	(.139 - .169)
36mm	0.167	(.156 - .190)
53mm	0.250	(.228 - .278)
103mm	0.531	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28421

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD3962	201603D 3/8/18
0.08	SD3964	201601F 1/26/18
0.20	SD3933	201604C 4/5/18
0.08 DGS	N/A	AG1626605 9/22/18

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 RMS

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

Barometric Pressure Gauge 1020 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16101	2/2/18
0.100	SD1013	16001	5/8/18
0.200	DR3856	16103	6/14/18
0.400	G2403	16102	3/22/18
0.080 DGS	N/A	03415080A1	3/5/17

- ☑ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD3962	201603D	3/8/18
0.08	SD3964	201601F	01/26/18
0.20	SD3933	201604C	04/05/18
0.08 DGS	N/A	AG1626605	9/22/18

Department Inspection Performed By RMS

- ☑ Barometric Pressure 1019 Gauge
  ID# 28427 1018 Instrument

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2016-B

Simulator	Serial Number
0.00	G2880
Interferent	G2834
0.05	SD3962
0.08	SD3964
0.20	SD3933

Attachments

- ☑ Form 41
- ☑ Pre-Stability Tests x 2
- ☐ Flow Calibration
- ☑ Optical Bench Cal
- ☑ Post-Stability Tests
- ☑ Other Form 40

Notes: Preformed optical bench calibration to bring values closer to nominal. RMS

QA/QC OR SP

- ☑ **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

1/19/17
Date

Revised November 2012

Stability Checks #80-000888 Pinellas County S.O. 1/6/17 DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:02
Control Test	0.049	15:03
Air Blank	0.000	15:03
Control Test	0.050	15:04
Air Blank	0.000	15:04
Control Test	0.050	15:05
Air Blank	0.000	15:06

Control Test Stats

Average	0.0497
Std Dev	0.0006
Rel Std Dev(%)	1.1625

KMB
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:07
Control Test	0.082	15:08
Air Blank	0.000	15:09
Control Test	0.081	15:09
Air Blank	0.000	15:10
Control Test	0.082	15:11
Air Blank	0.000	15:11

Control Test Stats

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

KMB
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:13
Control Test	0.204	15:14
Air Blank	0.000	15:15
Control Test	0.204	15:15
Air Blank	0.000	15:16
Control Test	0.204	15:17
Air Blank	0.000	15:17

Control Test Stats

Average	0.2040
Std Dev	0.0000
Rel Std Dev(%)	0.0000

KMB
Operator's Signature

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/06/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:19
Control Test	0.079	15:19
Air Blank	0.000	15:20
Control Test	0.079	15:20
Air Blank	0.000	15:20
Control Test	0.079	15:21
Air Blank	0.000	15:21

Control Test Stats

Average	0.0790
Std Dev	0.0000
Rel Std Dev(%)	0.0000

SP

KMB
Operator's Signature

BK

Additional Stability Checks #80-000888 Pinellas County S.O. 1/9/17 RMB

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:09
Control Test	0.050	12:10
Air Blank	0.000	12:11
Control Test	0.051	12:11
Air Blank	0.000	12:12
Control Test	0.051	12:12
Air Blank	0.000	12:13
Control Test Stats		
Average	0.0507	
Std Dev	0.0006	
Rel Std Dev(%)	1.1395	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:14
Control Test	0.082	12:15
Air Blank	0.000	12:16
Control Test	0.082	12:16
Air Blank	0.000	12:17
Control Test	0.082	12:18
Air Blank	0.000	12:18
Control Test Stats		
Average	0.0820	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:19
Control Test	0.204	12:20
Air Blank	0.000	12:21
Control Test	0.204	12:21
Air Blank	0.000	12:22
Control Test	0.204	12:22
Air Blank	0.000	12:23
Control Test Stats		
Average	0.2040	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/09/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:25
Control Test	0.080	12:25
Air Blank	0.000	12:26
Control Test	0.079	12:26
Air Blank	0.000	12:27
Control Test	0.079	12:27
Air Blank	0.000	12:28
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

SP

Operator's Signature

BK

Optical Bench Calibration Data #80-000888 Pinellas County S.O. 1/18/17 RWB

Pinellas County SO

PINEL[illegible]
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000608
01/18/2017 10:47:16

Auto Calibration
Max Power Res Value = 24
Auto Range Res Value = 5

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12543, 9um Io = 13065

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0690	(0.0020)
Sample #2 =	0.0950	(0.0720)
Sample #3 =	0.0850	(0.1380)
Sample #4 =	0.0380	(0.2190)

Avg % Abs = 0.0727 (0.1430)
STD DEV = 0.0304 (0.0736)
REL STD DEV = 41.884 (51.488)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0780	(-0.0020)
Sample #2 =	0.1130	(0.0210)
Sample #3 =	0.1140	(0.0310)
Sample #4 =	0.1140	(0.0360)

Avg % Abs = 0.1137 (0.0293)
STD DEV = 0.0006 (0.0076)
REL STD DEV = 0.508 (26.037)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12505, 9um Io = 13051

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7730	(-0.0040)
Sample #2 =	0.7990	(0.0080)
Sample #3 =	0.7910	(0.0480)
Sample #4 =	0.7460	(0.0950)

Avg % Abs = 0.7787 (0.0503)
STD DEV = 0.0286 (0.0435)
REL STD DEV = 3.669 (86.517)

STD DEV = 0.0286 (0.0435)
REL STD DEV = 3.669 (86.517)

Channel 2

Sample % Abs (% Abs Ref)
Sample #1 = 1.5030 (-0.0120)
Sample #2 = 1.5190 (-0.0080)
Sample #3 = 1.5060 (-0.0050)
Sample #4 = 1.5080 (0.0110)
Avg % Abs = 1.5110 (-0.0007)
STD DEV = 0.0070 (0.0102)
REL STD DEV = 0.463 (1532.155)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12488, 9um Io = 13048

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8730	(-0.0080)
Sample #2 =	1.8480	(0.0330)
Sample #3 =	1.8740	(0.0360)
Sample #4 =	1.8570	(0.0720)

Avg % Abs = 1.8597 (0.0470)
STD DEV = 0.0132 (0.0217)
REL STD DEV = 0.710 (46.176)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6030	(0.0190)
Sample #2 =	3.5780	(0.0360)
Sample #3 =	3.5980	(0.0290)
Sample #4 =	3.5980	(0.0500)

Avg % Abs = 3.5913 (0.0383)
STD DEV = 0.0115 (0.0107)
REL STD DEV = 0.322 (27.894)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12478, 9um Io = 13043

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6160	(0.0030)
Sample #2 =	3.6190	(0.0190)
Sample #3 =	3.5760	(0.0590)
Sample #4 =	3.5800	(0.0630)

Avg % [illegible]
STD DE[illegible]
REL STD [illegible]

Channel 2

Sample % Abs (% Abs Ref)
Sample #1 = 6.9330 (-0.0110)
Sample #2 = 6.9300 (0.0230)
Sample #3 = 6.9090 (0.0370)
Sample #4 = 6.8930 (0.0570)
Avg % Abs = 6.9107 (0.0390)
STD DEV = 0.0186 (0.0171)
REL STD DEV = 0.269 (43.815)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12469, 9um Io = 13041

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9790	(-0.0210)
Sample #2 =	6.9820	(0.0270)
Sample #3 =	6.9380	(0.0630)
Sample #4 =	6.9700	(0.0630)

Avg % Abs = 6.9633 (0.0510)
STD DEV = 0.0227 (0.0208)
REL STD DEV = 0.327 (40.754)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	13.1390	(-0.0070)
Sample #2 =	13.1250	(0.0580)
Sample #3 =	13.0840	(0.0840)
Sample #4 =	13.1140	(0.0740)

Avg % Abs = 13.1077 (0.0720)
STD DEV = 0.0212 (0.0131)
REL STD DEV = 0.162 (18.215)

Tape Faded printouts - still visible on original for handwritten transfee.
RWB

Avg % Abs = 3.5917 (0.0470)
STD DEV = 0.0238 (0.0243)
REL STD DEV = 0.661 (51.768)

AUTO CAL DATA

***** [illegible]
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.073
Std Dev = 0.03 Rel Std Dev = 41.88
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.779
Std Dev = 0.03 Rel Std Dev = 3.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.860
Std Dev = 0.01 Rel Std Dev = 0.71
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.592
Std Dev = 0.02 Rel Std Dev = 0.66
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.963
Std Dev = 0.02 Rel Std Dev = 0.33
Zero Order Coef = -181.86
First Order Coef = 2635.31
Second Order Coef = 18.13
Standard Deviation = 16.469885

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.114
Std Dev = 0.00 Rel Std Dev = 0.51
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.511
Std Dev = 0.01 Rel Std Dev = 0.46
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.591
Std Dev = 0.01 Rel Std Dev = 0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.911
Std Dev = 0.02 Rel Std Dev = 0.27
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 13.108
Std Dev = 0.02 Rel Std Dev = 0.16
Zero Order Coef = -140.01
First Order Coef = 1327.44
Second Order Coef = 10.39
Standard Deviation = [illegible]

Standard Deviation = 9.950783

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0005
0.100	0.100	-0.0004
0.200	0.200	0.0001
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	-0.0002
0.040	0.040	0.0003
0.100	0.100	0.0000
0.200	0.200	-0.0001
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 = 3185.00
Sample #2 = 3294.00
Sample #3 = 3268.00
Sample #4 = 3319.00
Average Result = 3293.6667
STD DEV = 25.5016
REL STD DEV = 0.774
****
***** CHANNEL 2
Sample #1 = 3409.00
Sample #2 = 3425.00
Sample #3 = 3436.00
Sample #4 = 3468.00
Average Result = 3443.0000
STD DEV = 22.3383
REL STD DEV = 0.649
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1019
3 um H2O Adjust (mg/l*10,000) = 516
9 um H[illegible] = 366
**** AUTO [illegible]

SP
BK

9 um H2O Adjust (mg/l * 10,000) = 366

**** AUTO CAL PASS

Post-Cal Stability Checks # 80-000888 Pinellas County S.O. 1/18/17 KWB

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:08
Control Test	0.049	12:09
Air Blank	0.000	12:09
Control Test	0.049	12:10
Air Blank	0.000	12:11
Control Test	0.050	12:11
Air Blank	0.000	12:12

Control Test Stats

Average	0.0493
Std Dev	0.0006
Rel Std Dev(%)	1.1703

KWB
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:47
Control Test	0.081	11:47
Air Blank	0.000	11:48
Control Test	0.080	11:49
Air Blank	0.000	11:49
Control Test	0.081	11:50
Air Blank	0.000	11:50

Control Test Stats

Average	0.0807
Std Dev	0.0006
Rel Std Dev(%)	0.7157

KWB
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:52
Control Test	0.199	11:53
Air Blank	0.000	11:53
Control Test	0.198	11:54
Air Blank	0.000	11:55
Control Test	0.199	11:55
Air Blank	0.000	11:56

Control Test Stats

Average	0.1987
Std Dev	0.0006
Rel Std Dev(%)	0.2906

KWB
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000888
01/18/2017
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:57
Control Test	0.080	11:57
Air Blank	0.000	11:58
Control Test	0.081	11:58
Air Blank	0.000	11:59
Control Test	0.080	11:59
Air Blank	0.000	11:59

Control Test Stats

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

SP

BK

KWB
Operator's Signature