

Stability Checks 80-001653

DA

3/20/25

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001653
03/20/2025
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:05
Control Test	0.044	14:06
Air Blank	0.000	14:07
Control Test	0.042	14:07
Air Blank	0.000	14:08
Control Test	0.042	14:08
Air Blank	0.000	14:09
Control Test Stats		
Average	0.0427	
Std Dev	0.0012	
Rel Std Dev(%)	2.7163	

DA

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001653
03/20/2025
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:54
Control Test	0.084	13:55
Air Blank	0.000	13:56
Control Test	0.076	13:56
Air Blank	0.000	13:57
Control Test	0.083	13:57
Air Blank	0.000	13:58
Control Test Stats		
Average	0.0810	
Std Dev	0.0044	
Rel Std Dev(%)	5.3814	

Wet

DA

Operator's Signature

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Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001653
03/20/2025
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:27
Control Test	0.201	14:27
Air Blank	0.000	14:28
Control Test	0.198	14:29
Air Blank	0.000	14:29
Control Test	0.197	14:30
Air Blank	0.000	14:30
Control Test Stats		
Average	0.1987	
Std Dev	0.0021	
Rel Std Dev(%)	1.0478	

DA

Operator's Signature

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001653
03/20/2025
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:01
Control Test	0.087	14:01
Air Blank	0.000	14:01
Control Test	0.081	14:02
Air Blank	0.000	14:02
Control Test	0.082	14:03
Air Blank	0.000	14:03
Control Test Stats		
Average	0.0833	
Std Dev	0.0032	
Rel Std Dev(%)	3.8575	

DGS

DA

Operator's Signature

Optical Bench Calibration Adjustment 80-001653 DA 3/27/25

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 6000 SN 80-001653
03/27/2025 13:45:47

Auto Calibration
Max Power Res Value = 98
Auto Range Res Value = 85

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12624, Sum Io = 13203
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1030 (-0.0060)
Sample #2 = 0.1270 (-0.0150)
Sample #3 = 0.1170 (-0.0190)
Sample #4 = 0.1310 (-0.0430)
Avg % Abs = 0.1250 (-0.0257)
STD DEV = 0.0072 (-0.0151)
REL STD DEV = 5.769 (59.002)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.2940 (-0.0710)
Sample #2 = 0.3000 (-0.3030)
Sample #3 = 0.1420 (-0.2460)
Sample #4 = -0.3940 (-0.7820)
Avg % Abs = 0.0160 (-0.4437)
STD DEV = 0.3638 (-0.2944)
REL STD DEV = 2273.454 (66.353)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12608, Sum Io = 13108
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8590 (-0.0020)
Sample #2 = 0.8400 (-0.0020)
Sample #3 = 0.8500 (-0.0060)
Sample #4 = 0.8560 (-0.0020)
Avg % Abs = 0.8487 (-0.0033)
STD DEV = 0.0081 (-0.0023)
REL STD DEV = 0.952 (69.282)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 2.0250 (-0.2480)
Sample #2 = 1.6360 (-0.4040)
Sample #3 = 2.5820 (-0.1440)
Sample #4 = 1.2650 (-0.6040)
Avg % Abs = 1.8210 (-0.0167)
STD DEV = 0.6680 (-0.5233)
REL STD DEV = 36.683 (2803.489)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12605, Sum Io = 13061
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8480 (-0.0060)
Sample #2 = 0.8570 (-0.0010)
Sample #3 = 0.8630 (-0.0190)
Sample #4 = 0.8690 (-0.0190)
Avg % Abs = 0.8630 (-0.0090)
STD DEV = 0.0060 (-0.0100)
REL STD DEV = 0.695 (111.111)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5050 (-0.0540)
Sample #2 = 1.6430 (-0.4720)
Sample #3 = 1.5020 (-0.0320)
Sample #4 = 1.3070 (-0.1290)
Avg % Abs = 1.4840 (-0.2110)
STD DEV = 0.1687 (-0.2312)
REL STD DEV = 11.369 (109.563)

**** AUTO CAL FAIL

Optical bench calibration adjustment wouldn't progress at the 0.04g/210L concentration. I checked the simulator for proper seal and connection to the instrument and repeated analysis of the 0.04g/210L solution. The instrument failed the calibration adjustment after second analysis attempt. I plan to repeat the optical bench calibration adjustment on 03/28/25. DA 3/27/25.

Optical Bench Calibration Adjustment 80-001453 3/28/25 DA

ST PETERSBURG PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 60-001653
03/28/2025 18:35:18

Auto Calibration
Max Power Res Value = 98
Auto Range Res Value = 87

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l ****
Samples Taken = 4, Discarded = 1
Sum Io = 12611, Sum Io = 12979

Channel 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1930 (-0.0220)
Sample #2 = 0.1030 (-0.0160)
Sample #3 = 0.1200 (-0.0050)
Sample #4 = 0.1030 (0.0000)
Avg % Abs = 0.1087 (-0.0070)
STD DEV = 0.0098 (0.0082)
REL STD DEV = 9.032 (116.934)

Channel 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = -0.1270 (-0.1190)
Sample #2 = 0.4470 (-0.4470)
Sample #3 = -0.6650 (-0.4280)
Sample #4 = 0.4390 (-0.5150)
Avg % Abs = 0.2737 (-0.4633)
STD DEV = 0.2933 (0.0457)
REL STD DEV = 107.182 (9.872)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l ****
Samples Taken = 4, Discarded = 1
Sum Io = 12610, Sum Io = 13049

Channel 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8451 (-0.0370)
Sample #2 = 0.8590 (-0.0190)
Sample #3 = 0.8610 (-0.0200)
Sample #4 = 0.8360 (-0.0100)
Avg % Abs = 0.8517 (-0.0163)
STD DEV = 0.0136 (0.0055)
REL STD DEV = 1.594 (33.720)

Channel 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.4860 (-0.1260)
Sample #2 = 1.7070 (-0.5990)
Sample #3 = 1.5960 (-0.3680)
Sample #4 = 1.6230 (-0.5570)
Avg % Abs = 1.6420 (-0.5180)
STD DEV = 0.0579 (0.1137)
REL STD DEV = 3.525 (21.653)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l ****
Samples Taken = 4, Discarded = 1
Sum Io = 12614, Sum Io = 13079

Channel 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8020 (-0.0180)
Sample #2 = 0.8360 (-0.0280)
Sample #3 = 0.8310 (-0.0050)
Sample #4 = 0.8330 (-0.0170)
Avg % Abs = 0.8333 (-0.0167)
STD DEV = 0.0025 (0.0115)
REL STD DEV = 0.302 (69.022)

Channel 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5690 (-0.1200)
Sample #2 = 1.5060 (0.0030)
Sample #3 = 1.7260 (-0.0060)
Sample #4 = 1.3230 (0.2640)
Avg % Abs = 1.5190 (0.0870)
STD DEV = 0.2017 (0.1534)
REL STD DEV = 13.280 (176.267)

*** AUTO CAL FAIL

I tested all alcohol reference solutions used within this calibration adjustment using a training instrument after the 0.04g/210L concentration failed. All alcohol reference solutions were within range. I repeated the analysis of the 0.04g/210L concentration and the calibration adjustment failed. DA 3/28/25

Return Material Authorization

Ship to: ☒ CMI, Inc.

☐ Enforcement Electronics

Shipment to repair facility authorized by: Dustin Hall on 03/28/2025

Items Returned: Instrument ☒ Supplies ☐ Other ☐ Describe: _____

Instrument Model: Intoxilyzer 8000 Serial Number: 80-001653

Bill To Address:

St Petersburg PD

Attn: Dustin Hall

Ship to Address:

Florida Department of Law Enforcement

FMROC

Alcohol Testing Program

4700 Terminal Drive, Suite 1

Fort Myers, FL 33907

Reason for Return:

Instrument will not pass the 0.04g/210L concentration during optical bench calibration
adjustment. I repeated the adjustment twice.

Please choose one of the following options:

☐ 1. I _____, authorize all repairs.

☐ 2. I _____, authorize repairs up to \$_____.

☒ 3. I require an estimate **BEFORE** any repairs will be authorized and/ or conducted.

Please contact: Name: Dustin Hall

Phone #: 941-448-8755

Email: DLHALL@stpete.org

ATP Contact Name: Taylor Gutschow

ATP Email: taylorgutschow@fdle.state.fl.us