



INSTRUMENT PROCESSING SHEET

Agency Hillsborough CSO

S/N 80-005113

Florida Department of
Law Enforcement

Date In 1/10/2022 DI Completion Date 1/27/2022

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By TDG	Quality Checks	By TDG	Date 1/11/2022	Flow Calibration	By	Date																																								
☒ Annual ☐ Registration ☐ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☒ Static Bag ☐ 12V DC Cable Notes: AI reports low readings on wet bath solutions (TDG)		☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value 198 ☒ Flow Verification (L/s) Flow Column # ATP101 32 mm 0.164 (.139 - .169) 36 mm 0.179 (.156 - .190) 53 mm 0.246 (.228 - .278) 103 mm 0.507 (.447 - .547) ☒ Barometric Pressure Check Gauge ID # 68639 ☒ Stability Checks		Flow Column # ☐ 5L/min - 17mm ☐ 15L/min - 53mm ☐ 30L/min - 103mm ☐ R-Value ☐ Post Calibration Verification (L/s) Flow Column # 32 mm (.139 - .169) 36 mm (.156 - .190) 53 mm (.228 - .278) 103 mm (.447 - .547)																																											
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Notes/Suggested Service: Stability Checks passed with the 0.20 ARS at the low end of nominal. A review of recent AIs showed the same. Will perform an Optical to bring values closer to nominal. (TDG) During 0.08 ARS on the DI, the sim power cord came loose and was not detected until end of test. Secured power cord, let sim heat back up, and repeated. (TDG)				☒ 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																																											
Richard A Williams Digitally signed by Richard A Williams Date: 2022.01.27 15:11:31 -0500				 28 11:35:03 05/00																																											
Tech Review / Date				Admin Review / Date																																											

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-00 5113	Hillsborough CSO	1/11/2022	TDG MK

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
✓	✓	✓	✓
HILLSBOROUGH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 01/11/2022 Software: 8100.27 SN 80-005113 Test g/210L Time Air Blank 0.000 10:27 Control Test 0.049 10:28 Air Blank 0.000 10:28 Control Test 0.048 10:29 Air Blank 0.000 10:30 Control Test 0.049 10:30 Air Blank 0.000 10:31 Control Test Stats Average 0.0487 Std Dev 0.0006 Rel Std Dev(%) 1.1863	HILLSBOROUGH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 01/11/2022 Software: 8100.27 SN 80-005113 Test g/210L Time Air Blank 0.000 10:32 Control Test 0.079 10:33 Air Blank 0.000 10:33 Control Test 0.078 10:34 Air Blank 0.000 10:34 Control Test 0.078 10:35 Air Blank 0.000 10:35 Control Test Stats Average 0.0783 Std Dev 0.0006 Rel Std Dev(%) 0.7370	HILLSBOROUGH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 01/11/2022 Software: 8100.27 SN 80-005113 Test g/210L Time Air Blank 0.000 10:41 Control Test 0.195 10:42 Air Blank 0.000 10:42 Control Test 0.194 10:43 Air Blank 0.000 10:44 Control Test 0.194 10:44 Air Blank 0.000 10:45 Control Test Stats Average 0.1943 Std Dev 0.0006 Rel Std Dev(%) 0.2971	HILLSBOROUGH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 01/11/2022 Software: 8100.27 SN 80-005113 Test g/210L Time Air Blank 0.000 10:47 Control Test 0.079 10:47 Air Blank 0.000 10:48 Control Test 0.080 10:48 Air Blank 0.000 10:48 Control Test 0.080 10:49 Air Blank 0.000 10:49 Control Test Stats Average 0.0797 Std Dev 0.0006 Rel Std Dev(%) 0.7247
Operator's Signature MK	Operator's Signature MK	Operator's Signature MK	Operator's Signature MK

Comments:

HILLSBOROUGH CO SO

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-0051113

01/27/2022

09:36:54

Auto Calibration

Max Power Res Value = 27

Auto Range Res Value = 15

Sol Value = 0.000 g/210L ***

Fit Value = 0.0000 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12133, Sum Io = 14178

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 0.1530 (-0.0130)

Sample #2 = 0.1300 (-0.0370)

Sample #3 = 0.1020 (-0.0620)

Sample #4 = 0.1270 (-0.0700)

Avg % Abs = 0.1197 (-0.0563)

STD DEV = 0.0154 (-0.0172)

REL STD DEV = 12.847 (30.558)

***** CHANNEL 2 *****

Sample % Abs (% Abs Ref)

Sample #1 = 0.1240 (-0.0100)

Sample #2 = 0.1190 (-0.0150)

Sample #3 = 0.1030 (-0.0230)

Sample #4 = 0.1190 (-0.0260)

Avg % Abs = 0.1137 (-0.0213)

STD DEV = 0.0092 (-0.0057)

REL STD DEV = 8.127 (26.654)

Sol Value = 0.040 g/210L ***

Fit Value = 0.1905 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12116, Sum Io = 14170

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 0.9100 (-0.0030)

Sample #2 = 0.8560 (-0.0290)

Sample #3 = 0.8660 (-0.0410)

Sample #4 = 0.9070 (-0.0270)

Avg % Abs = 0.8763 (-0.0323)

STD DEV = 0.0270 (-0.0076)

REL STD DEV = 3.084 (23.418)

***** CHANNEL 2 *****

Sample % Abs (% Abs Ref)

Sample #1 = 1.6040 (-0.0010)

Sample #2 = 1.5600 (-0.0340)

Sample #3 = 1.5610 (-0.0280)

Sample #4 = 1.5760 (-0.0270)

Avg % Abs = 1.5657 (-0.0297)

STD DEV = 0.0090 (-0.0038)

REL STD DEV = 0.572 (12.762)

Sol Value = 0.100 g/210L ***

Fit Value = 0.4762 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12107, Sum Io = 14164

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 2.0650 (-0.0090)

Sample #2 = 2.0120 (-0.0190)

Sample #3 = 2.0550 (-0.0180)

Sample #4 = 2.0400 (-0.0330)

Avg % Abs = 2.0357 (-0.0233)

STD DEV = 0.0218 (-0.0084)

REL STD DEV = 1.072 (35.942)

***** CHANNEL 2 *****

Sample % Abs (% Abs Ref)

Sample #1 = 3.7480 (-0.0000)

Sample #2 = 3.7110 (-0.0300)

Sample #3 = 3.7220 (-0.0340)

Sample #4 = 3.7210 (-0.0350)

Avg % Abs = 3.7180 (-0.0330)

STD DEV = 0.0061 (-0.0026)

REL STD DEV = 0.164 (8.017)

Sol Value = 0.200 g/210L ***

Fit Value = 0.9524 mg/l %%%

Samples Taken = 4, Discarded = 1

Sum Io = 12101, Sum Io = 14160

***** CHANNEL 1 *****

Sample % Abs (% Abs Ref)

Sample #1 = 3.9170 (-0.0000)

Sample #2 = 3.9120 (-0.0150)

Sample #3 = 3.8920 (-0.0490)

Sample #4 = 3.9260 (-0.0400)

Avg % Abs = 3.9100 (-0.0347)

STD DEV = 0.0171 (-0.0176)

REL STD DEV = 0.437 (50.816)

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

***** CHANNEL 1 *****

Sol Val = 0.0000 mg/l or 0.000 g/210L

% Abs = 0.120

Std Dev = 0.02 Rel Std Dev = 12.85

Sol Val = 0.1905 mg/l or 0.040 g/210L

% Abs = 0.876

Std Dev = 0.03 Rel Std Dev = 3.08

Sol Val = 0.4762 mg/l or 0.100 g/210L

% Abs = 2.036

Std Dev = 0.02 Rel Std Dev = 1.07

Sol Val = 0.9524 mg/l or 0.200 g/210L

% Abs = 3.910

Std Dev = 0.02 Rel Std Dev = 0.44

Sol Val = 1.4286 mg/l or 0.300 g/210L

% Abs = 5.700

Std Dev = 0.02 Rel Std Dev = 0.32

Zero Order Coef = -265.37

First Order Coef = 2419.23

Second Order Coef = 23.16

Standard Deviation = 24.301331

***** CHANNEL 2 *****

Sol Val = 0.0000 mg/l or 0.000 g/210L

% Abs = 0.114

Std Dev = 0.01 Rel Std Dev = 8.13

Sol Val = 0.1905 mg/l or 0.040 g/210L

% Abs = 1.566

Std Dev = 0.01 Rel Std Dev = 0.57

Sol Val = 0.4762 mg/l or 0.100 g/210L

% Abs = 3.718

Std Dev = 0.01 Rel Std Dev = 0.16

Sol Val = 0.9524 mg/l or 0.200 g/210L

% Abs = 7.124

Std Dev = 0.01 Rel Std Dev = 0.11

Sol Val = 1.4286 mg/l or 0.300 g/210L

% Abs = 10.316

Std Dev = 0.02 Rel Std Dev = 0.22

Zero Order Coef = -129.17

First Order Coef = 1266.68

Second Order Coef = 12.73

Standard Deviation = 15.552620

Optical Calibration

SN: 80-0051113

Agency: Hillsborough CSO

Date: 01/27/2022

Quadratic Fit: +/- 0.002g/210L

By: TDG

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0004
0.100	0.100	0.0001
0.200	0.200	-0.0003
0.300	0.300	0.0002

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1

***** CHANNEL 1 *****

Sample #1 = 3162.00

Sample #2 = 3149.00

Sample #3 = 3180.00

Sample #4 = 3176.00

Average Result = 3168.3333

STD DEV = 16.8622

REL STD DEV = 0.532

***** CHANNEL 2 *****

Sample #1 = 3418.00

Sample #2 = 3427.00

Sample #3 = 3444.00

Sample #4 = 3442.00

Average Result = 3437.6667

STD DEV = 9.2916

REL STD DEV = 0.270

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1019
3 um H2O Adjust (mg/l x 10,000) = 641
9 um H2O Adjust (mg/l x 10,000) = 372
***** AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post)	80-005113	Hillsborough CSO	01/27/2022	TDG MK

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Air Blank	0.000	10:44																																																																																																																																					
Control Test	0.199	10:45																																																																																																																																					
Air Blank	0.000	10:45																																																																																																																																					
Control Test	0.200	10:46																																																																																																																																					
Air Blank	0.000	10:47																																																																																																																																					
Control Test Stats																																																																																																																																							
Average	0.1997																																																																																																																																						
Std Dev	0.0006																																																																																																																																						
Rel Std Dev(%)	0.2892																																																																																																																																						
Air Blank	0.000	10:48																																																																																																																																					
Control Test	0.079	10:48																																																																																																																																					
Air Blank	0.000	10:49																																																																																																																																					
Control Test	0.079	10:49																																																																																																																																					
Air Blank	0.000	10:50																																																																																																																																					
Control Test	0.080	10:50																																																																																																																																					
Air Blank	0.000	10:51																																																																																																																																					
Control Test Stats																																																																																																																																							
Average	0.0793																																																																																																																																						
Std Dev	0.0006																																																																																																																																						
Rel Std Dev(%)	0.7277																																																																																																																																						
Operator's Signature _____	Operator's Signature _____	Operator's Signature _____	Operator's Signature _____																																																																																																																																				

Comments:

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 12:46

Date of Inspection: 01/27/2022

Serial Number: 80-005113
Software: 8100.27

Check or Test	YES	NO	Check or Test	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:202010A Exp: 10/05/2022	0.08g/210L Test (g/210L) Lot#:202010B Exp: 10/05/2022	0.20g/210L Test (g/210L) Lot#:202010D Exp: 10/06/2022	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG115904 Exp: 06/08/2023
0.000	0.049	0.080 / 0.079	0.199	0.079
0.000	0.049	0.080 / 0.079	0.199	0.079
0.000	0.049	0.080 / 0.079	0.199	0.079
0.000	0.049	0.078 / 0.079	0.199	0.079
0.000	0.049	0.078 / 0.079	0.199	0.079
0.000	0.049	0.077 / 0.079	0.199	0.079
0.000	0.050	0.076 / 0.079	0.199	0.079
0.000	0.050	0.075 / 0.079	0.199	0.079
0.000	0.049	0.074 / 0.079	0.199	0.079
0.000	0.049	0.073 / 0.079	0.199	0.079

Standard Deviations	0.0004	0.0025 / 0.0000	0.0000	0.0000
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0001 Number of Simulators Used: 5

Remarks:

08: Control Outside Tolerance. SIM POWER CORD CAME LOOSE

The above instrument complies (☒) does not comply (☐) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

 TAYLOR D GUTSCHOW
Signature and Printed Name

01/27/2022
Date



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-005113, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-005113</u>	UNCERTAINTY * $\pm$
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/210 L 0.004
Calibration Date:	<u>01/27/2022</u>	0.080 g/210 L 0.004
Calibration Time:	<u>12:46</u>	0.200 g/210 L 0.007
		0.080 g/210 L Dry Gas Control 0.005

All results are reported in g/210 L.

Bias is limited by calibration acceptance criteria. All calibration results must be within ± 0.005 or 5%, whichever is greater, of the target alcohol concentration.

*Uncertainty is based on fleet-wide data and is expressed to a 99.73% level of confidence ($k=3$).

The instrument results before and after any adjustment are found in the associated pre and post stability checks.

TRACEABILITY INFORMATION

This instrument was calibrated using solutions prepared by Alcohol Countermeasure Systems, Inc. (ACS). ACS prepared and certified these CRMs in accordance with ISO 17034 and ISO/IEC 17025 Standards.

Simulator temperatures are traceable to NIST. Simulator temperatures are checked with NIST traceable digital thermometers calibrated by Precision Metrology in accordance with ISO/IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the use of CRMs supplied by an accredited CRM supplier. The supplier of dry gas standard controls prepared and certified the CRMs in accordance with ISO Guide 34 and ISO/IEC 17025 standards. This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.


TAYLOR D GUTSCHOW,
Department Inspector

01/27/2022
Date

FDLE/ATP Form 69 December 2021
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality