



INSTRUMENT PROCESSING SHEET

Florida Department of
Law Enforcement

Agency Indian River CSO

S/N 80-001329

Date In 11/04/2020 DI Completion Date 11/04/2020

☐ Ship ☒ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By TDG

- ☒ 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: _____

Quality Checks Performed By TDG

- ☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 189

Flow Verification (L/s)

Flow Column # ATP106

32 mm	<u>0.156</u>	(.139 - .169)
36 mm	<u>0.164</u>	(.156 - .190)
53 mm	<u>0.253</u>	(.228 - .278)
103 mm	<u>0.507</u>	(.447 - .547)

Barometric Pressure Check

Gauge ID # 68639

Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP4863	201905A 05/14/2021
0.080	MP4864	201905B 05/14/2021
0.200	MP5097	201904D 04/30/2021
0.080 DGS	N/A	AG003005 01/30/2022

Flow Calibration Performed By _____

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)

Maintenance Performed By _____

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

Temperature Checks Performed By TDG

☒ Lab Temp °C 21.18

External Digital Therm. ID#: 300504

☒ 34°C +/- .2 Serial #: MP4863

☒ 34°C +/- .2 Serial #: MP4864

☒ 34°C +/- .2 Serial #: MP5097

Final Release Date

FDLE
Alcohol
Testing
Program

Digitally signed
by FDLE Alcohol
Testing Program
Date: 2020.11.17
09:35:07 -05'00'

Calibration Adjustment

Performed By MH

Barometric Pressure Gauge 1020

ID # 28663

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5095	N/A	N/A
0.040	MP5098	20060	02/10/2022
0.100	MP5099	20190	04/06/2022
0.200	MP5100	20160	03/18/2022
0.300	MP5101	20030	01/21/2022
0.080 DGS	N/A	08819080A1	06/05/2021

Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	MP4863	201905A	05/14/2021
0.080	MP4864	201905B	05/14/2021
0.200	MP5097	201904D	04/30/2021
0.080 DGS	N/A	AG003005	01/30/2022

Notes/Suggested Service: _____

Department Inspection

Performed By MH

Barometric Pressure ID# 28199

Gauge 1020

Instrument 1020

Mouth Alcohol Solution Lot # 2020-A

Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	SD1014
Interferent	SD1015
0.050	MP4863
0.080	MP4864
0.200	MP5097

Attachments

- ☒ Form 41
☒ Stability Checks
☒ Calibration Certificate
☒ Calibration Adjustment
☒ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ Other _____

☒ 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

Tech Review / Date

Admin Review / Date

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: INDIAN RIVER CO. SO
Time of Inspection: 16:09

Date of Inspection: 11/04/2020

Serial Number: 80-001329
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#:201905A Exp: 05/14/2021	0.08g/210L Test (g/210L) Lot#:201905B Exp: 05/14/2021	0.20g/210L Test (g/210L) Lot#:201904D Exp: 04/30/2021	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG003005 Exp: 01/30/2022
0.000	0.048	0.077	0.198	0.079
0.000	0.048	0.077	0.198	0.079
0.000	0.048	0.077	0.197	0.079
0.000	0.048	0.077	0.197	0.079
0.000	0.048	0.078	0.197	0.078
0.000	0.048	0.078	0.197	0.079
0.000	0.048	0.078	0.198	0.079
0.000	0.048	0.078	0.196	0.079
0.000	0.048	0.078	0.197	0.079
0.000	0.048	0.078	0.197	0.079

Standard Deviations	0.0000	0.0005	0.0006	0.0003
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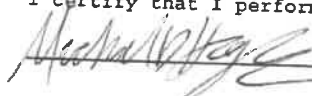
Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 Number of Simulators Used: 5

Remarks:


 2020.11.
 09
 08:38:55
 -05'00'

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.



MICHAEL D HAUGHEY
Signature and Printed Name

11/04/2020
Date

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-001329	Indian River CSO	11/04/2020	TDG

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
☒ 0.047 to 0.053 INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model: 8000 11/04/2020 Software: 8100.27 SN: 80-001329	☒ 0.077 to 0.083 INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model: 8000 11/04/2020 Software: 8100.27 SN: 80-001329	☒ 0.194 to 0.206 INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model: 8000 11/04/2020 Software: 8100.27 SN: 80-001329	☒ 0.077 to 0.083 ☒ 0.003 of Wet DGS INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model: 8000 11/04/2020 Software: 8100.27 SN: 80-001329

Test 1: 0.05g/210L

Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.078	12:04
Air Blank	0.000	12:04
Control Test	0.077	12:05
Air Blank	0.000	12:05
Control Test	0.078	12:06
Air Blank	0.000	12:07
Control Test Status	0.077	
Average	0.073	
Std Dev	0.005	
Rel. Std Dev	0.7434	

Test 2: 0.08g/210L

Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.078	12:04
Air Blank	0.000	12:04
Control Test	0.077	12:05
Air Blank	0.000	12:05
Control Test	0.078	12:06
Air Blank	0.000	12:07
Control Test Status	0.077	
Average	0.073	
Std Dev	0.005	
Rel. Std Dev	0.7434	

Test 3: 0.20g/210L

Test	g/210L	Time
Air Blank	0.000	12:06
Control Test	0.196	12:09
Air Blank	0.000	12:09
Control Test	0.196	12:10
Air Blank	0.000	12:11
Control Test	0.195	12:11
Air Blank	0.000	12:12
Control Test Status	0.195	
Average	0.195	
Std Dev	0.000	
Rel. Std Dev	0.0000	

Test 4: DGS 0.08g/210L

Test	g/210L	Time
Air Blank	0.000	12:13
Control Test	0.081	12:14
Air Blank	0.000	12:14
Control Test	0.082	12:15
Air Blank	0.000	12:15
Control Test	0.082	12:15
Air Blank	0.000	12:16
Control Test Status	0.081	
Average	0.081	
Std Dev	0.000	
Rel. Std Dev	0.0000	

Operator's Signature:

Operator's Signature:

Comments: Failed Stabilities, Will perform an optical calibration. 11/04/2020



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 80-001329, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number: 80-001329
Owning Agency: INDIAN RIVER CO. SO
Calibration Date: 11/04/2020
Calibration Time: 16:09

	UNCERTAINTY* $\pm$
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
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. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses 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.

FDLE/ATP Form 69 April 2020
Issuing Authority: Alcohol Testing Program

11/04/2020

Date


MICHAEL D HAUGHEY,
Department Inspector

Service • Integrity • Respect • Quality

CHANEL 2 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 1.4959 (-0.0120)
Sample #2 = 1.5165 (-0.0040)
Sample #3 = 1.5100 (-0.0050)
Sample #4 = 1.4950 (-0.0140)
Avg % RPS = 1.5057 (-0.0050)
STD DEV = 0.0059 (0.0090)
REL STD DEV = 0.389 (180.000)

INSTRUMETER CO. 50
PROXIMETER - 9.0000 g/210L
Model 8000
11/24/2020
SN 80-001329
12:54:16

Auto Calibration
%EN Power Res Value = 24
Auto Range Res Value = 15

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 g/210L ***
Samples Taken = 4, Discarded = 1
Sum 10 = 12697, Sum 10 = 13488
CHANEL 1 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 0.1920 (-0.0200)
Sample #2 = 0.1990 (-0.0390)
Sample #3 = 0.1170 (-0.0300)
Sample #4 = 0.1150 (-0.0190)
Avg % RPS = 0.1833 (-0.0297)
STD DEV = 0.0115 (0.0100)
REL STD DEV = 0.621 (233.900)

CHANEL 2 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 0.1260 (-0.0100)
Sample #2 = 0.1390 (-0.0100)
Sample #3 = 0.1160 (-0.0270)
Sample #4 = 0.1450 (-0.0000)
Avg % RPS = 0.1343 (-0.0012)
STD DEV = 0.0168 (0.0085)
REL STD DEV = 12.518 (637.548)

Sol Value = 0.047 g/210L ***
Fit Value = 0.1915 g/210L ***
Samples Taken = 4, Discarded = 1
Sum 10 = 12694, Sum 10 = 13485
CHANEL 1 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 0.0895 (-0.0220)
Sample #2 = 0.0370 (-0.0180)
Sample #3 = 0.0100 (-0.0030)
Sample #4 = 0.0320 (-0.0200)
Avg % RPS = 0.0829 (-0.0112)
STD DEV = 0.0058 (0.0131)
REL STD DEV = 1.108 (1108.972)

CHANEL 2 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 6.7370 (-0.0090)
Sample #2 = 6.7090 (0.0090)
Sample #3 = 6.7090 (0.0130)
Sample #4 = 6.7040 (0.0020)
Avg % RPS = 6.7070 (0.0080)
STD DEV = 0.0026 (0.0055)
REL STD DEV = 0.039 (69.597)

Sol Value = 0.330 g/210L ***
Fit Value = 1.4285 g/210L ***
Samples Taken = 4, Discarded = 1
Sum 10 = 12687, Sum 10 = 13478
CHANEL 1 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 5.3440 (-0.0160)
Sample #2 = 5.3330 (-0.0030)
Sample #3 = 5.3550 (0.0220)
Sample #4 = 5.3350 (0.0070)
Avg % RPS = 5.3427 (0.0087)
STD DEV = 0.0091 (0.0126)
REL STD DEV = 0.170 (145.189)

CHANEL 2 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 9.7130 (-0.0090)
Sample #2 = 9.7050 (0.0140)
Sample #3 = 9.7100 (0.0300)
Sample #4 = 9.6900 (0.0260)
Avg % RPS = 9.6983 (0.0237)
STD DEV = 0.0161 (0.0087)
REL STD DEV = 0.166 (336.916)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 g/210L ***
Samples Taken = 4, Discarded = 1
Sum 10 = 12688, Sum 10 = 13480

CHANEL 1 >>>>
Sample % RPS (% Pos Ref)
Sample #1 = 3.6710 (-0.0060)
Sample #2 = 3.6660 (-0.0250)
Sample #3 = 3.6740 (-0.0020)
Sample #4 = 3.6540 (-0.0110)
Avg % RPS = 3.6653 (-0.0127)
STD DEV = 0.0053 (0.0116)
REL STD DEV = 0.140 (151.502)

CHANEL 2 >>>>
Sol Val = 0.0000 g/210L
% RPS = 0.105
Std Dev = 0.001 Rel Std Dev = 10.92
Sol Val = 0.1915 g/210L
% RPS = 0.029
Std Dev = 0.001 Rel Std Dev = 1.19
% RPS = 1.916
Std Dev = 0.000 Rel Std Dev = 0.15
Sol Val = 0.9524 g/210L
% RPS = 3.668
Std Dev = 0.001 Rel Std Dev = 0.14
Sol Val = 1.4285 g/210L
% RPS = 5.343
Std Dev = 0.001 Rel Std Dev = 0.17
Zero Order Coef = 257.27
First Order Coef = 2570.55
Second Order Coef = 27.95
Standard Deviation = 18.55551

CHANEL 2 >>>>
Sol Val = 0.0000 g/210L
% RPS = 6.134
Std Dev = 0.002 Rel Std Dev = 12.51
Sol Val = 0.1915 g/210L
% RPS = 1.356
Std Dev = 0.001 Rel Std Dev = 0.35
Sol Val = 0.9524 g/210L
% RPS = 3.518
Std Dev = 0.001 Rel Std Dev = 0.25
Sol Val = 1.9524 g/210L
% RPS = 6.707
Std Dev = 0.000 Rel Std Dev = 0.14
Sol Val = 1.4285 g/210L
% RPS = 9.698
Std Dev = 0.002 Rel Std Dev = 0.1
Zero Order Coef = -172.94
First Order Coef = 1351.65
Second Order Coef = 14.36
Standard Deviation = 5.45754

Solution Stats Quadratic Fit Chan 1
Act Fit Residual
g/210L g/210L g/210L
0.000 0.000 -0.0003
0.040 0.040 0.0002
0.100 0.100 0.0004
0.200 0.200 -0.0005
0.300 0.300 0.0002

Solution Stats Quadratic Fit Chan 2
Act Fit Residual
g/210L g/210L g/210L
0.000 0.000 -0.0002
0.040 0.040 0.0002
0.100 0.100 0.0001
0.200 0.200 -0.0002
0.300 0.300 0.0001

Sol Value = 0.000 g/210L ***
Fit Value = 0.3910 g/210L ***
Samples Taken = 4, Discarded = 1
CHANEL 1
Sample #1 = 3359.00
Sample #2 = 3259.00
Sample #3 = 3273.00
Sample #4 = 3341.00
Average Result = 3304.3333
STD DEV = 34.3123
REL STD DEV = 1.038

CHANEL 2
Sample #1 = 3382.00
Sample #2 = 3416.00
Sample #3 = 3392.00
Sample #4 = 3405.00
Average Result = 3403.6667
STD DEV = 12.3423
REL STD DEV = 0.362

Dry Gas H2C Adjust Results *****
Barometric Pressure = 1015
3 in H2O Adjust (mg/l x 10,000) = 505
9 in H2O Adjust (mg/l x 10,000) = 404
***** AUTO QAL PASS

80-001329
Cal Adj
11/4/2020

2020.11.
09
08:37:12
-05'00"

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities Test	80-001329	Indian River County SO	11/4/2020	MM

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 ☒	
INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model 8000 11/24/2020 Software: 8100.27 SN 80-001329		INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model 8000 11/24/2020 Software: 8100.27 SN 80-001329		INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model 8000 11/24/2020 Software: 8100.27 SN 80-001329		INDIAN RIVER CO. SO Intoxilyzer - Alcohol Analyzer Model 8000 11/24/2020 Software: 8100.27 SN 80-001329	
Test	Time	Test	Time	Test	Time	Test	Time
Air Blank	13:24	Air Blank	13:39	Air Blank	13:44	Air Blank	13:49
Control Test	13:35	Control Test	13:40	Control Test	13:45	Control Test	13:50
Air Blank	13:35	Air Blank	13:41	Air Blank	13:46	Air Blank	13:51
Control Test	13:36	Control Test	13:41	Control Test	13:46	Control Test	13:51
Air Blank	13:37	Air Blank	13:42	Air Blank	13:47	Air Blank	13:51
Control Test	13:37	Control Test	13:42	Control Test	13:47	Control Test	13:51
Air Blank	13:38	Air Blank	13:43	Air Blank	13:48	Air Blank	13:52
Control Test	13:38	Control Test	13:43	Control Test	13:48	Control Test	13:52
Average	0.0490	Average	0.0780	Average	0.1980	Average	0.0790
Std Dev	0.0000	Std Dev	0.0000	Std Dev	0.0000	Std Dev	0.0000
Ref Std Dev(2)	0.0000	Ref Std Dev(2)	0.0000	Ref Std Dev(2)	0.0000	Ref Std Dev(2)	0.0000

MM
Operator's Signature

MM
Operator's Signature

MM
Operator's Signature

MM
Operator's Signature