

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ST JOHNS SO
Time of Inspection: 17:29

Date of Inspection: 10/11/2022

Serial Number: 80-007366
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#:202201C Exp: 01/11/2024	0.08g/210L Test (g/210L) Lot#:202201D Exp: 01/18/2024	0.20g/210L Test (g/210L) Lot#:202201E Exp: 01/18/2024	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:08121080A1 Exp: 05/05/2023
0.000	0.049	0.078	0.200	0.079
0.000	0.048	0.078	0.201	0.078
0.000	0.049	0.078	0.201	0.078
0.000	0.049	0.079	0.201	0.078
0.000	0.049	0.078	0.201	0.078
0.000	0.049	0.078	0.201	0.078
0.000	0.049	0.079	0.201	0.078
0.000	0.049	0.078	0.201	0.078
0.000	0.049	0.079	0.201	0.078
0.000	0.049	0.078	0.201	0.078

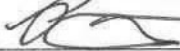
Standard Deviations	0.0003	0.0004	0.0003	0.0003
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 Number of Simulators Used: 5

Remarks:

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.



PHIL NICODEMO

Signature and Printed Name

10/11/2022
Date

Type of Test	Serial Number	Agency	Date	Performed By
Stability Checks	80-007366	St Johns County Sheriff's Office	10/11/2022	PN

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 ✓ ≤0.003 of Wet
ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 13:22 Control Test 0.047 13:22 Air Blank 0.000 13:23 Control Test 0.047 13:24 Air Blank 0.000 13:24 Control Test 0.048 13:25 Air Blank 0.000 13:26 Control Test Stats Average 0.0473 Std Dev 0.0006 Rel Std Dev(%) 1.2198 Operator's Signature	ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 13:28 Control Test 0.077 13:28 Air Blank 0.000 13:29 Control Test 0.076 13:30 Air Blank 0.000 13:30 Control Test 0.076 13:31 Air Blank 0.000 13:31 Control Test Stats Average 0.0763 Std Dev 0.0006 Rel Std Dev(%) 0.7564 Operator's Signature	ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 13:33 Control Test 0.200 13:34 Air Blank 0.000 13:34 Control Test 0.198 13:35 Air Blank 0.000 13:36 Control Test 0.198 13:36 Air Blank 0.000 13:37 Control Test Stats Average 0.1987 Std Dev 0.0012 Rel Std Dev(%) 0.5812 Operator's Signature	ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 13:39 Control Test 0.083 13:39 Air Blank 0.000 13:39 Control Test 0.080 13:40 Air Blank 0.000 13:40 Control Test 0.079 13:41 Air Blank 0.000 13:41 Control Test Stats Average 0.0807 Std Dev 0.0021 Rel Std Dev(%) 2.5806 Operator's Signature

Comments: N/A



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2331 Phillips Road.
Suite B1032
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-007366, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-007366	UNCERTAINTY* $\pm$
Owning Agency:	ST JOHNS SO	0.050 g/ 210 L 0.004
Calibration Date:	10/11/2022	0.080 g/ 210 L 0.004
Calibration Time:	17:29	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.

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10/11/2022

Date

PHIL NICODEMO,

Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

ST JOHNS SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007366
10/11/2022
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff)) = 5.914

2: Rate (Liters/min) = 15

SQRT(Diff)) = 10.859

3: Rate (Liters/min) = 30

SQRT(Diff)) = 20.121

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 680

Rounded Intercept = -475358

Correlation = 0.99828

FLOW CALIBRATION



10/11/2022

ST JOHNS SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007366
10/11/2022 14:06:58

OPTICAL BENCH CALIBRATION
ADJUSTMENT P.N 10/11/2022

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>> <<<<< 9um >>>>>

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.1510	(-0.0060)	0.1800	(0.0040)
Sample #2	0.1370	(0.0700)	0.1590	(0.0330)
Sample #3	0.1280	(0.1030)	0.1700	(0.0370)
Sample #4	0.0810	(0.1660)	0.1340	(0.0810)
Avg % Abs	0.1153	(0.1130)	0.1543	(0.0503)
STD DEV	0.0301	(0.0488)	0.0184	(0.0266)
REL STD DEV	26.074	(43.164)	11.953	(52.914)

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7660	(0.0050)	1.4610	(-0.0120)
Sample #2	0.7880	(0.0340)	1.4640	(0.0190)
Sample #3	0.7510	(0.0660)	1.4390	(0.0770)
Sample #4	0.7610	(0.0800)	1.4230	(0.0750)
Avg % Abs	0.7667	(0.0600)	1.4420	(0.0570)
STD DEV	0.0191	(0.0236)	0.0207	(0.0329)
REL STD DEV	2.497	(39.299)	1.433	(57.762)

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.8220	(-0.0090)	3.4040	(-0.0020)
Sample #2	1.8360	(0.0090)	3.3870	(0.0380)
Sample #3	1.7960	(0.0410)	3.3560	(0.0590)
Sample #4	1.7920	(0.0610)	3.3800	(0.0560)
Avg % Abs	1.8080	(0.0370)	3.3743	(0.0510)
STD DEV	0.0243	(0.0262)	0.0163	(0.0114)
REL STD DEV	1.346	(70.891)	0.482	(22.270)

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.5060	(-0.0220)	6.4720	(0.0040)
Sample #2	3.4520	(0.0240)	6.4090	(0.0650)
Sample #3	3.4790	(0.0290)	6.4280	(0.0610)
Sample #4	3.4650	(0.0430)	6.4250	(0.0640)
Avg % Abs	3.4653	(0.0320)	6.4207	(0.0633)
STD DEV	0.0135	(0.0098)	0.0102	(0.0021)
REL STD DEV	0.390	(30.778)	0.159	(3.287)

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.0530	(-0.0070)	9.3670	(0.0050)
Sample #2	5.0850	(-0.0010)	9.3580	(0.0600)
Sample #3	5.0520	(0.0340)	9.3410	(0.0790)
Sample #4	5.0290	(0.0390)	9.3010	(0.0890)
Avg % Abs	5.0553	(0.0240)	9.3333	(0.0760)
STD DEV	0.0281	(0.0218)	0.0293	(0.0147)
REL STD DEV	0.557	(90.810)	0.314	(19.383)

ST JOHNS SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007366
10/11/2022 14:06:58

OPTICAL BENCH CALIBRATION ADJUSTMENT

P.N 10/11/2022

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

Zero Order Coef -275.18
First Order Coef 2741.10
Second Order Coef 27.09

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.001	-0.0009
0.040	0.039	0.0013
0.100	0.100	-0.0002
0.200	0.201	-0.0005
0.300	0.300	0.0002

<<<< 9um >>>>

-211.02
1434.29
12.73

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0002
0.040	0.040	0.0004
0.100	0.100	-0.0002
0.200	0.200	0.0000
0.300	0.300	0.0000

<<<< 3um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample

Sample #1	3314.00
Sample #2	3299.00
Sample #3	3361.00
Sample #4	3347.00
Avg	3335.6667
STD DEV	32.5167
REL STD DEV	0.975
H2O adjust (mg/l*10k)	474

<<<< 9um >>>>

3271.00
3270.00
3326.00
3336.00
3310.6667
35.5715
1.074
499

Barometric Pressure = 1017

*****CALIBRATION SUCCESSFUL*****

Type of Test	Serial Number	Agency	Date	Performed By
Post Calibration Adjustment Stability Checks	80-007366	St Johns County Sheriff's Office	10/11/2022	PN

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
ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 15:34 Control Test 0.048 15:35 Air Blank 0.000 15:36 Control Test 0.047 15:36 Air Blank 0.000 15:37 Control Test 0.048 15:38 Air Blank 0.000 15:38 Control Test Stats Average 0.0477 Std Dev 0.0006 Rel Std Dev(%) 1.2112 Operator's Signature	ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 15:40 Control Test 0.078 15:40 Air Blank 0.000 15:41 Control Test 0.078 15:42 Air Blank 0.000 15:42 Control Test 0.077 15:43 Air Blank 0.000 15:43 Control Test Stats Average 0.0777 Std Dev 0.0006 Rel Std Dev(%) 0.7434 Operator's Signature	ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 15:44 Control Test 0.200 15:45 Air Blank 0.000 15:46 Control Test 0.200 15:46 Air Blank 0.000 15:47 Control Test 0.199 15:48 Air Blank 0.000 15:48 Control Test Stats Average 0.1997 Std Dev 0.0006 Rel Std Dev(%) 0.2892 Operator's Signature	ST JOHNS SO Intoxilyzer - Alcohol Analyzer Model 8000 10/11/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 15:54 Control Test 0.079 15:55 Air Blank 0.000 15:55 Control Test 0.079 15:55 Air Blank 0.000 15:56 Control Test 0.080 15:56 Air Blank 0.000 15:57 Control Test Stats Average 0.0793 Std Dev 0.0006 Rel Std Dev(%) 0.7277 Operator's Signature

Comments: N/A