

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MARTIN COUNTY SO
Time of Inspection: 12:32

Date of Inspection: 03/04/2021

Serial Number: 80-000831
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#:AG003005 Exp: 01/30/2022
0.000	0.048	0.078	0.198	0.080
0.000	0.048	0.078	0.197	0.079
0.000	0.048	0.078	0.197	0.079
0.000	0.048	0.078	0.197	0.079
0.000	0.048	0.078	0.197	0.080
0.000	0.049	0.078	0.197	0.079
0.000	0.048	0.078	0.197	0.079
0.000	0.049	0.078	0.197	0.079
0.000	0.049	0.079	0.197	0.079
0.000	0.048	0.078	0.198	0.079

Standard Deviations	0.0004	0.0003	0.0004	0.0004
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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.

MICHAEL D HAUGHEY

Signature and Printed Name

03/04/2021
Date

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities	80-000831	Martin County SO	02/17/21	MX

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 ☒
MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000831 02/17/2021 Software: 8100.27 Test: g/210L Time Air Blank 0.000 11:07 Control Test 0.050 11:07 Air Blank 0.000 11:08 Control Test 0.049 11:09 Air Blank 0.000 11:09 Control Test 0.049 11:10 Air Blank 0.000 11:10 Control Test Stats Average 0.0493 Std Dev 0.0006 Rel Std Dev(%) 1.1703 Operator's Signature <i>MX</i>	MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000831 02/17/2021 Software: 8100.27 Test: g/210L Time Air Blank 0.000 11:12 Control Test 0.077 11:13 Air Blank 0.000 11:14 Control Test 0.078 11:14 Air Blank 0.000 11:15 Control Test 0.078 11:16 Air Blank 0.000 11:16 Control Test Stats Average 0.0777 Std Dev 0.0006 Rel Std Dev(%) 0.7434 Operator's Signature <i>MX</i>	MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000831 02/17/2021 Software: 8100.27 Test: g/210L Time Air Blank 0.000 11:18 Control Test 0.195 11:19 Air Blank 0.000 11:19 Control Test 0.195 11:20 Air Blank 0.000 11:20 Control Test 0.195 11:21 Air Blank 0.000 11:22 Control Test Stats Average 0.1950 Std Dev 0.0000 Rel Std Dev(%) 0.0000 Operator's Signature <i>MX</i>	MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000831 02/17/2021 Software: 8100.27 Test: g/210L Time Air Blank 0.000 11:24 Control Test 0.076 11:24 Air Blank 0.000 11:25 Control Test 0.077 11:25 Air Blank 0.000 11:25 Control Test 0.077 11:26 Air Blank 0.000 11:26 Control Test Stats Average 0.0767 Std Dev 0.0006 Rel Std Dev(%) 0.7531 Operator's Signature <i>MX</i>

MARTIN COUNTY SO
Intoxilyzer - Alcotest Analyzer
Model 8000 SN 80-000831
03/03/2021 10:15:19

Auto Calibration
Max Power Res Value = 29
Auto Range Res Value = 7

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 ng/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 11182, Sum Io = 14152

Sample % RDS (% RDS Ref)
Sample H1 = 0.0950 (-0.0270)
Sample H2 = 0.1100 (-0.0270)
Sample H3 = 0.0950 (-0.0530)
Sample H4 = 0.0890 (-0.1070)
Avg % RDS = 0.0980 (-0.0653)
STD DEU = 0.0108 (-0.0400)
REL STD DEU = 11.037 (60.327)

Sample % RDS (% RDS Ref)
Sample H1 = 0.1050 (-0.0070)
Sample H2 = 0.1030 (-0.0110)
Sample H3 = 0.1270 (-0.0070)
Sample H4 = 0.1130 (-0.0140)
Avg % RDS = 0.1143 (-0.0107)
STD DEU = 0.0121 (-0.0035)
REL STD DEU = 10.544 (32.944)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 ng/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 11164, Sum Io = 14157

Sample % RDS (% RDS Ref)
Sample H1 = 1.5780 (-0.0130)
Sample H2 = 1.5470 (-0.0250)
Sample H3 = 1.5340 (-0.0450)
Sample H4 = 1.5240 (-0.0620)
Avg % RDS = 1.5350 (-0.0440)
STD DEU = 0.0115 (-0.0185)
REL STD DEU = 0.751 (42.091)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 ng/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 11146, Sum Io = 14144

Sample % RDS (% RDS Ref)
Sample H1 = 1.6500 (-0.1350)
Sample H2 = 1.6270 (-0.1150)
Sample H3 = 1.8140 (-0.0600)
Sample H4 = 1.8290 (-0.0370)
Avg % RDS = 1.8233 (-0.0127)
STD DEU = 0.0061 (-0.0262)
REL STD DEU = 0.447 (206.524)

Sample % RDS (% RDS Ref)
Sample H1 = 3.6530 (-0.0190)
Sample H2 = 3.6100 (-0.0500)
Sample H3 = 3.6080 (-0.0060)
Sample H4 = 3.6260 (-0.0080)
Avg % RDS = 3.6147 (-0.0030)
STD DEU = 0.0099 (-0.0070)
REL STD DEU = 0.273 (233.333)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 ng/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 11136, Sum Io = 14138

Sample % RDS (% RDS Ref)
Sample H1 = 6.9940 (-0.0130)
Sample H2 = 6.9450 (-0.0310)
Sample H3 = 6.9460 (-0.0230)
Sample H4 = 6.9460 (-0.0440)
Avg % RDS = 6.9457 (-0.0327)
STD DEU = 0.0006 (-0.0106)
REL STD DEU = 0.008 (32.445)

Sol Value = 0.300 g/210L ***
Fit Value = 1.4286 ng/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 11126, Sum Io = 14132

Sample % RDS (% RDS Ref)
Sample H1 = 5.1260 (-0.0480)
Sample H2 = 5.1070 (-0.0160)
Sample H3 = 5.0500 (-0.0370)
Sample H4 = 5.0960 (-0.0450)
Avg % RDS = 5.0873 (-0.0327)
STD DEU = 0.0251 (-0.0150)
REL STD DEU = 0.494 (45.850)

Sample % RDS (% RDS Ref)
Sample H1 = 10.0630 (-0.0220)
Sample H2 = 10.0380 (-0.0280)
Sample H3 = 10.0270 (-0.0350)
Sample H4 = 10.0240 (-0.0400)
Avg % RDS = 10.0297 (-0.0343)
STD DEU = 0.0074 (-0.0060)
REL STD DEU = 0.073 (17.556)

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

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

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

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

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

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

Optical Calibration

SN: 80-000831

Agency: Martin Co SC

Date: 03/03/21

By: MJC

Solution Stats Quadratic Fit Chan 1
Act Fit Residual
g/210L g/210L g/210L
0.000 0.001 -0.0008
0.040 0.039 0.0010
0.100 0.100 0.0004
0.200 0.201 -0.0010
0.300 0.300 0.0004

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities <i>POST</i>	80-000831	<i>Martin County SO</i>	<i>03/03/21</i>	<i>MM</i>

0.05g/210L 0.047 to 0.053 ☒	0.08g/210L 0.077 to 0.083 ☒	0.20g/210L 0.194 to 0.206 ☒	DGS 0.08g/210L 0.077 to 0.083 ☒
MARTIN COUNTY SO Intoxilyzer - Alcotest Analyzer Model 8000 03/03/2021 SN 80-000831 Software: 8100.27 Test g/210L Time Air Blank 0.100 11:15 Control Test 0.049 11:16 Air Blank 0.000 11:16 Control Test 0.048 11:17 Air Blank 0.000 11:18 Control Test 0.049 11:18 Air Blank 0.000 11:19 Control Test Stats Average 0.0487 Std Dev 0.0006 Rel Std Dev(%) 1.1853	MARTIN COUNTY SO Intoxilyzer - Alcotest Analyzer Model 8000 03/03/2021 SN 80-000831 Software: 8100.27 Test g/210L Time Air Blank 0.000 11:20 Control Test 0.079 11:20 Air Blank 0.000 11:21 Control Test 0.079 11:22 Air Blank 0.000 11:22 Control Test 0.080 11:23 Air Blank 0.000 11:23 Control Test Stats Average 0.0793 Std Dev 0.0006 Rel Std Dev(%) 0.7277	MARTIN COUNTY SO Intoxilyzer - Alcotest Analyzer Model 8000 03/03/2021 SN 80-000831 Software: 8100.27 Test g/210L Time Air Blank 0.000 11:24 Control Test 0.198 11:25 Air Blank 0.000 11:26 Control Test 0.198 11:26 Air Blank 0.000 11:27 Control Test 0.198 11:28 Air Blank 0.000 11:28 Control Test Stats Average 0.1980 Std Dev 0.0000 Rel Std Dev(%) 0.0000	MARTIN COUNTY SO Intoxilyzer - Alcotest Analyzer Model 8000 03/03/2021 SN 80-000831 Software: 8100.27 Test g/210L Time Air Blank 0.000 11:29 Control Test 0.079 11:29 Air Blank 0.000 11:30 Control Test 0.079 11:30 Air Blank 0.000 11:31 Control Test 0.080 11:31 Air Blank 0.000 11:32 Control Test Stats Average 0.0793 Std Dev 0.0006 Rel Std Dev(%) 0.7277
Operator's Signature <i>MM</i>	Operator's Signature <i>MM</i>	Operator's Signature <i>MM</i>	Operator's Signature <i>MM</i>



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 80-000831, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000831</u>	UNCERTAINTY * $\pm$
Owning Agency:	<u>MARTIN COUNTY SO</u>	0.050 g/210 L 0.005
Calibration Date:	<u>03/04/2021</u>	0.080 g/210 L 0.004
Calibration Time:	<u>12:32</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. 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.

03/04/2021

Date

MICHAEL D HAUGHEY,
Department Inspector