



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 80-001348, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001348</u>	UNCERTAINTY* \pm
Owning Agency:	<u>SARASOTA COUNTY SO</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>07/26/2022</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>12:20</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.

07/26/2022 Date *David E Reyes-Rivera*
DAVID E REYES-RIVERA,
Department Inspector

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: SARASOTA COUNTY SO
Time of Inspection: 12:20

Date of Inspection: 07/26/2022

Serial Number: 80-001348
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#:AG115904 Exp: 06/08/2023
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.079
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.050	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.078	0.200	0.080

Standard Deviations	0.0003	0.0003	0.0000	0.0003
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 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.

David E Reyes-Rivera DAVID E REYES-RIVERA
Signature and Printed Name

07/26/2022
Date

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities	80-001348	Sarasota County Sheriff's Office	7/26/2022	DERR <i>pk</i>

0.05g/210L 0.047 to 0.053 <input checked="" type="checkbox"/>	0.08g/210L 0.077 to 0.083 <input checked="" type="checkbox"/>	0.20g/210L 0.194 to 0.206 <input checked="" type="checkbox"/>	DGS 0.08g/210L 0.077 to 0.083 <input checked="" type="checkbox"/>
SARASOTA COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-001348 07/26/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:42 Control Test 0.050 09:43 Air Blank 0.010 09:43 Control Test 0.049 09:44 Air Blank 0.000 09:45 Control Test 0.049 09:45 Air Blank 0.000 09:46 Control Test Stats Average 0.0493 Std Dev 0.0006 Rel Std Dev(%) 1.1713 Operator's Signature <i>pk</i>	SARASOTA COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-001348 07/26/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:47 Control Test 0.073 09:48 Air Blank 0.000 09:49 Control Test 0.079 09:49 Air Blank 0.001 09:50 Control Test 0.078 09:51 Air Blank 0.000 09:51 Control Test Stats Average 0.0787 Std Dev 0.0006 Rel Std Dev(%) 0.7339 Operator's Signature <i>pk</i>	SARASOTA COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-001348 07/26/2022 Software: 8100.27 Test g/210L Time Air Blank 0.000 09:53 Control Test 0.200 09:54 Air Blank 0.000 09:54 Control Test 0.200 09:55 Air Blank 0.000 09:55 Control Test 0.199 09:56 Air Blank 0.000 09:57 Control Test Stats Average 0.1997 Std Dev 0.0006 Rel Std Dev(%) 0.2892 Operator's Signature <i>pk</i>	SARASOTA COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-001348 07/26/2022 Software: 8100.27 Test g/210L Time Air Blank 1.000 09:59 Control Test 1.079 09:59 Air Blank 1.000 10:00 Control Test 1.079 10:00 Air Blank 1.000 10:00 Control Test 1.080 10:01 Air Blank 0.000 10:01 Control Test Stats Average 1.0793 Std Dev 0.0006 Rel Std Dev(%) 0.7277 Operator's Signature <i>pk</i>

SARASOTA COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000
07/26/2022
SN 80-001348
08:31:51

Auto Calibration

Flex Power Res Value = 46
Auto Range Res Value = 23

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12818, Sum Io = 13685

Channel 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.0950 (-0.0290)
Sample #2 = 0.0920 (-0.0070)
Sample #3 = 0.0830 (-0.0020)
Sample #4 = 0.0840 (-0.0170)
Avg % Abs = 0.0863 (-0.0040)
Std Dev = 0.0049 (-0.0120)
REL STD DEV = 5.714 (303.109)

Channel 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.0850 (-0.0280)
Sample #2 = 0.0960 (-0.0160)
Sample #3 = 0.0800 (-0.0000)
Sample #4 = 0.0890 (-0.0220)
Avg % Abs = 0.0883 (-0.0127)
Std Dev = 0.0080 (-0.0114)
REL STD DEV = 9.080 (89.783)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12814, Sum Io = 13685
Channel 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8510 (-0.0160)
Sample #2 = 0.8420 (-0.0000)
Sample #3 = 0.8250 (-0.0140)
Sample #4 = 0.8290 (-0.0210)
Avg % Abs = 0.8320 (-0.0117)
Std Dev = 0.0089 (-0.0107)
REL STD DEV = 1.068 (91.632)

Channel 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5740 (-0.0180)
Sample #2 = 1.5370 (-0.0190)
Sample #3 = 1.5360 (-0.0150)
Sample #4 = 1.5200 (-0.0110)
Avg % Abs = 1.5310 (-0.0150)
Std Dev = 0.0095 (-0.0040)
REL STD DEV = 0.623 (26.667)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12808, Sum Io = 13681

Channel 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.9540 (-0.0260)
Sample #2 = 1.9400 (-0.0020)
Sample #3 = 1.9030 (-0.0130)
Sample #4 = 1.9030 (-0.0190)
Avg % Abs = 1.9173 (-0.0100)
Std Dev = 0.0199 (-0.0108)
REL STD DEV = 1.036 (108.167)

Channel 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.6980 (-0.0150)
Sample #2 = 3.6650 (-0.0070)
Sample #3 = 3.6750 (-0.0050)
Sample #4 = 3.6620 (-0.0110)
Avg % Abs = 3.6740 (-0.0030)
Std Dev = 0.0115 (-0.0092)
REL STD DEV = 0.314 (305.505)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12806, Sum Io = 13681
Channel 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.7500 (-0.0260)
Sample #2 = 3.7200 (-0.0040)
Sample #3 = 3.7210 (-0.0190)
Sample #4 = 3.7120 (-0.0280)
Avg % Abs = 3.7177 (-0.0170)
Std Dev = 0.0049 (-0.0121)
REL STD DEV = 0.133 (71.320)

Channel 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 7.0770 (-0.0070)
Sample #2 = 7.0310 (-0.0440)
Sample #3 = 7.0290 (-0.0550)
Sample #4 = 7.0010 (-0.0690)
Avg % Abs = 7.0233 (-0.0560)
Std Dev = 0.0168 (-0.0125)
REL STD DEV = 0.239 (22.375)

Sol Value = 0.300 g/210L ***
Fit Value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12804, Sum Io = 13681

Channel 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 5.4460 (-0.0260)
Sample #2 = 5.4220 (-0.0260)
Sample #3 = 5.4180 (-0.0410)
Sample #4 = 5.4240 (-0.0370)
Avg % Abs = 5.4213 (-0.0347)
Std Dev = 0.0031 (-0.0078)
REL STD DEV = 0.056 (22.406)

Channel 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 10.2080 (-0.0000)
Sample #2 = 10.1640 (-0.0830)
Sample #3 = 10.1750 (-0.0800)
Sample #4 = 10.1840 (-0.0780)
Avg % Abs = 10.1743 (-0.0803)
Std Dev = 0.0100 (-0.0025)
REL STD DEV = 0.098 (3.133)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12806, Sum Io = 13681
Channel 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.7500 (-0.0260)
Sample #2 = 3.7200 (-0.0040)
Sample #3 = 3.7210 (-0.0190)
Sample #4 = 3.7120 (-0.0280)
Avg % Abs = 3.7177 (-0.0170)
Std Dev = 0.0049 (-0.0121)
REL STD DEV = 0.133 (71.320)

Optical Calibration

SN:	80-001348
Agency:	Sarasota CSO
Date:	7/26/2022
Quadratic Fit:	+/- 0.002g/210L
By:	DERR

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

Channel 1 >>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.066
Std Dev = 0.00 Rel Std Dev = 5.71
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.832
Std Dev = 0.01 Rel Std Dev = 1.07
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.917
Std Dev = 0.02 Rel Std Dev = 1.94
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.718
Std Dev = 0.00 Rel Std Dev = 0.13
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.421
Std Dev = 0.00 Rel Std Dev = 0.06
Zero Order Coef = -211.47
First Order Coef = 2526.52
Second Order Coef = 26.88
Standard Deviation = 21.970856

Channel 2 >>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.088
Std Dev = 0.01 Rel Std Dev = 9.08
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.531
Std Dev = 0.01 Rel Std Dev = 0.62
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.674
Std Dev = 0.01 Rel Std Dev = 0.31
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.020
Std Dev = 0.02 Rel Std Dev = 0.24
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.174
Std Dev = 0.01 Rel Std Dev = 0.10
Zero Order Coef = -101.86
First Order Coef = 1276.72
Second Order Coef = 13.48
Standard Deviation = 12.477614

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	0.0024
0.100	0.100	-0.0002
0.200	0.200	-0.0000
0.300	0.300	0.0001

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

Channel 1 >>>>
Sample #1 = 3115.00
Sample #2 = 3137.00
Sample #3 = 3134.00
Sample #4 = 3096.00
Average Result = 3122.3333
STD DEV = 22.6546
REL STD DEV = 0.732

Channel 2

Sample #1 = 3436.00
Sample #2 = 3449.00
Sample #3 = 3440.00
Sample #4 = 3445.00
Average Result = 3444.6667
STD DEV = 4.5092
REL STD DEV = 0.131

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1018
3 um H2O Adjust (mg/l*10,000) = 687
9 um H2O Adjust (mg/l*10,000) = 365
***** AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-001348	Sarasota County Sheriff's Office	7/26/2022	DERR <i>[Signature]</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
<p>SARASOTA COUNTY SO Intoxilizer - Alcotest Analyzer Model: 8000 SN 80-001348 07/26/2022 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 07:40 Control Test 0.048 07:40 Air Blank 0.000 07:41 Control Test 0.043 07:42 Air Blank 0.000 07:42 Control Test 0.043 07:43 Air Blank 0.000 07:43 Control Test 0.043 07:43 Control Test Status Average 0.0480 Std Dev 0.0010 Rel Std Dev(%) 0.0010</p> <p>Operator's Signature <i>[Signature]</i></p>	<p>SARASOTA COUNTY SO Intoxilizer - Alcotest Analyzer Model: 8000 SN 80-001348 07/26/2022 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 07:45 Control Test 0.077 07:45 Air Blank 0.000 07:46 Control Test 0.077 07:47 Air Blank 0.000 07:47 Control Test 0.076 07:48 Air Blank 0.000 07:49 Control Test Status Average 0.0767 Std Dev 0.0006 Rel Std Dev(%) 0.7531</p> <p>Operator's Signature <i>[Signature]</i></p>	<p>SARASOTA COUNTY SO Intoxilizer - Alcotest Analyzer Model: 8000 SN 30-001348 07/26/2022 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 07:51 Control Test 0.197 07:52 Air Blank 0.000 07:52 Control Test 0.196 07:53 Air Blank 0.000 07:53 Control Test 0.196 07:54 Air Blank 0.000 07:55 Control Test Status Average 0.1963 Std Dev 0.0006 Rel Std Dev(%) 0.2941</p> <p>Operator's Signature <i>[Signature]</i></p>	<p>SARASOTA COUNTY SO Intoxilizer - Alcotest Analyzer Model: 8000 SN 80-001348 07/26/2022 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 17:56 Control Test 0.078 17:56 Air Blank 0.000 17:57 Control Test 0.078 17:57 Air Blank 0.000 17:58 Control Test 0.078 17:58 Air Blank 0.000 17:58 Control Test Status Average 1.0780 Std Dev 0.0000 Rel Std Dev(%) 0.0000</p> <p>Operator's Signature <i>[Signature]</i></p>