





Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-00 1189	Martin CSO	01/26/2023	TDG MG

TDG 02/07/2023

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

Comments:

Will perform a ~~discretionary~~ optical cal adjust to bring the 0.08 APS and DGS into a more optimal agreement.

MG 01/26/2023



MARTIN COUNTY SC  
Integrator - Alcohol Analyzer  
Model: 6000 SN: 60-001109  
02/01/2023 09:29:40

Auto Calibration  
Max Power Res Value = 24  
Auto Range Res Value = 9

Sol Value = 0.000 g/210L \*\*\*  
Fit Value = 0.0000 ng/L \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Lo = 12166, Sum Hi = 13655

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.1600 (-0.0210)  
Sample #2 = 0.1740 (-0.0020)  
Sample #3 = 0.1490 (0.0390)  
Sample #4 = 0.1500 (0.0340)  
Avg % Abs = 0.1577 (0.0303)  
STD DEV = 0.0142 (0.0290)  
REL STD DEV = 8.977 (95.566)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.1430 (-0.0070)  
Sample #2 = 0.1320 (0.0180)  
Sample #3 = 0.1410 (0.0300)  
Sample #4 = 0.1360 (0.0390)  
Avg % Abs = 0.1370 (0.0267)  
STD DEV = 0.0046 (0.0101)  
REL STD DEV = 3.345 (35.116)

Sol Value = 0.040 g/210L \*\*\*  
Fit Value = 0.1905 ng/L \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Lo = 12162, Sum Hi = 13939

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 0.9120 (-0.0060)  
Sample #2 = 0.8680 (0.0090)  
Sample #3 = 0.8960 (0.0410)  
Sample #4 = 0.8960 (0.0420)  
Avg % Abs = 0.8930 (0.0307)  
STD DEV = 0.0053 (0.0197)  
REL STD DEV = 0.595 (64.034)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 1.6350 (0.0000)  
Sample #2 = 1.6360 (0.0140)  
Sample #3 = 1.6260 (0.0260)  
Sample #4 = 1.6170 (0.0400)  
Avg % Abs = 1.6263 (0.0267)  
STD DEV = 0.0095 (0.0130)  
REL STD DEV = 0.584 (46.758)

Sol Value = 0.100 g/210L \*\*\*  
Fit Value = 0.4762 ng/L \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Lo = 12147, Sum Hi = 13931

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 2.0150 (-0.0230)  
Sample #2 = 1.9930 (0.0170)  
Sample #3 = 2.0160 (0.0250)  
Sample #4 = 1.9970 (0.0280)  
Avg % Abs = 2.0020 (0.0237)  
STD DEV = 0.0123 (0.0057)  
REL STD DEV = 0.614 (24.370)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.8290 (-0.0010)  
Sample #2 = 3.8110 (0.0260)  
Sample #3 = 3.8200 (0.0290)  
Sample #4 = 3.7920 (0.0460)  
Avg % Abs = 3.8077 (0.0343)  
STD DEV = 0.0143 (0.0116)  
REL STD DEV = 0.375 (34.746)

Sol Value = 0.200 g/210L \*\*\*  
Fit Value = 0.9524 ng/L \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Lo = 12143, Sum Hi = 13655

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 3.8230 (-0.0150)  
Sample #2 = 3.7770 (0.0520)  
Sample #3 = 3.7880 (0.0580)  
Sample #4 = 3.7920 (0.0540)  
Avg % Abs = 3.7950 (0.0547)  
STD DEV = 0.0070 (0.0114)  
REL STD DEV = 0.185 (17.866)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 7.3030 (0.0040)  
Sample #2 = 7.2430 (0.0740)  
Sample #3 = 7.2530 (0.0800)  
Sample #4 = 7.2480 (0.0820)  
Avg % Abs = 7.2480 (0.0820)  
STD DEV = 0.0050 (0.0092)  
REL STD DEV = 0.069 (11.177)

Sol Value = 0.300 g/210L \*\*\*  
Fit Value = 1.4286 ng/L \*\*\*\*  
Samples Taken = 4, Discarded = 1  
Sum Lo = 12143, Sum Hi = 13936

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 5.5690 (-0.0050)  
Sample #2 = 5.5350 (0.0480)  
Sample #3 = 5.5030 (0.0660)  
Sample #4 = 5.5430 (0.0610)  
Avg % Abs = 5.5353 (0.0557)  
STD DEV = 0.0025 (0.0038)  
REL STD DEV = 0.226 (9.376)

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample % Abs (% Abs Ref)  
Sample #1 = 10.5850 (0.0000)  
Sample #2 = 10.5100 (0.0880)  
Sample #3 = 10.4920 (0.1080)  
Sample #4 = 10.5350 (0.0820)  
Avg % Abs = 10.5123 (0.0927)  
STD DEV = 0.0216 (0.0136)  
REL STD DEV = 0.205 (14.691)

Optical Calibration	
SN:	80-001189
Agency:	Martin CSO
Date:	02/01/2023
Quadratic Fit:	+/- 0.002g/210L ✓
By:	TDG MG

\*\*\*\*\* AUTO CAL DATA \*\*\*\*\*  
\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sol Val = 0.0000 ng/L or 0.000 g/210L  
% Abs = 0.158  
Std Dev = 0.01 Rel Std Dev = 6.98  
Sol Val = 0.1905 ng/L or 0.040 g/210L  
% Abs = 0.890  
Std Dev = 1.01 Rel Std Dev = 1.59  
Sol Val = 0.4762 ng/L or 0.100 g/210L  
% Abs = 2.012  
Std Dev = 0.01 Rel Std Dev = 0.61  
Sol Val = 0.9524 ng/L or 0.200 g/210L  
% Abs = 3.785  
Std Dev = 1.01 Rel Std Dev = 0.18  
Sol Val = 1.4286 ng/L or 0.300 g/210L  
% Abs = 5.535  
Std Dev = 1.01 Rel Std Dev = 0.23  
Zero Order Coef = -394.37  
First Order Coef = 2545.17  
Second Order Coef = 19.36  
Standard Deviation = 13.577123

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sol Val = 0.0000 ng/L or 0.000 g/210L  
% Abs = 0.137  
Std Dev = 0.00 Rel Std Dev = 3.34  
Sol Val = 0.1905 ng/L or 0.040 g/210L  
% Abs = 1.626  
Std Dev = 1.01 Rel Std Dev = 0.58  
Sol Val = 0.4762 ng/L or 0.100 g/210L  
% Abs = 3.808  
Std Dev = 0.01 Rel Std Dev = 0.39  
Sol Val = 0.9524 ng/L or 0.200 g/210L  
% Abs = 7.248  
Std Dev = 0.01 Rel Std Dev = 1.07  
Sol Val = 1.4286 ng/L or 0.300 g/210L  
% Abs = 10.512  
Std Dev = 0.02 Rel Std Dev = 0.21  
Zero Order Coef = -169.25  
First Order Coef = 1252.18  
Second Order Coef = 11.69  
Standard Deviation = 4.963554

Solution State Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0000
0.040	0.040	0.0000
0.100	0.100	-0.0000
0.200	0.200	0.0000
0.300	0.300	-0.0000

Sol Value = 0.000 g/210L \*\*\*  
Fit Value = 0.0000 ng/L \*\*\*\*  
Samples Taken = 4, Discarded = 1

\*\*\*\*\* CHANNEL 1 \*\*\*\*\*  
Sample #1 = 2848.00  
Sample #2 = 2936.00  
Sample #3 = 2921.00  
Sample #4 = 2903.00  
Average Result = 2920.0000  
STD DEV = 16.5227  
REL STD DEV = 0.566

\*\*\*\*\* CHANNEL 2 \*\*\*\*\*  
Sample #1 = 3392.00  
Sample #2 = 3370.00  
Sample #3 = 3408.00  
Sample #4 = 3412.00  
Average Result = 3393.0000  
STD DEV = 20.4267  
REL STD DEV = 0.602

\*\*\*\*\*  
Dry Gas +20 Adjust Results \*\*\*\*\*  
Barometric Pressure = 1024  
3 um +20 Adjust (mg/L @ 10,000) = 689  
9 um +20 Adjust (mg/L @ 10,000) = 416  
\*\*\*\* AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post-Cal)	80-00 1189	Martin (SO)	02/01/2023	TDG MG

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																																																																																																																																																																		
✓	✓	✓	✓																																																																																																																																																																		
0.077 to 0.083	≤0.003 of Wet		✓																																																																																																																																																																		
<div>MARTIN COUNTY SO Test Manager - Richard Phalger Model 8000 SN 80-001189 12/01/2023 Software: 8000127</div> <table><thead><tr><th>Test</th><th>g/210L</th><th>Time</th></tr></thead><tbody><tr><td>Air Blank</td><td>0.000</td><td>10:40</td></tr><tr><td>Control Test</td><td>0.049</td><td>10:42</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:43</td></tr><tr><td>Control Test</td><td>0.049</td><td>10:44</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:45</td></tr><tr><td>Control Test</td><td>0.049</td><td>10:45</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:46</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0490</td><td></td></tr><tr><td>Std Dev</td><td>0.0000</td><td></td></tr><tr><td>Rel Std Dev (%)</td><td>0.0000</td><td></td></tr></tbody></table> <div>MG Operator's Signature</div>				Test	g/210L	Time	Air Blank	0.000	10:40	Control Test	0.049	10:42	Air Blank	0.000	10:43	Control Test	0.049	10:44	Air Blank	0.000	10:45	Control Test	0.049	10:45	Air Blank	0.000	10:46	Control Test Stats			Average	0.0490		Std Dev	0.0000		Rel Std Dev (%)	0.0000		<div>MARTIN COUNTY SO Test Manager - Richard Phalger Model 8000 SN 80-001189 12/01/2023 Software: 8000127</div> <table><thead><tr><th>Test</th><th>g/210L</th><th>Time</th></tr></thead><tbody><tr><td>Air Blank</td><td>0.000</td><td>10:40</td></tr><tr><td>Control Test</td><td>0.078</td><td>10:41</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:42</td></tr><tr><td>Control Test</td><td>0.078</td><td>10:43</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:44</td></tr><tr><td>Control Test</td><td>0.077</td><td>10:45</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:46</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0777</td><td></td></tr><tr><td>Std Dev</td><td>0.0000</td><td></td></tr><tr><td>Rel Std Dev (%)</td><td>0.7434</td><td></td></tr></tbody></table> <div>MG Operator's Signature</div>				Test	g/210L	Time	Air Blank	0.000	10:40	Control Test	0.078	10:41	Air Blank	0.000	10:42	Control Test	0.078	10:43	Air Blank	0.000	10:44	Control Test	0.077	10:45	Air Blank	0.000	10:46	Control Test Stats			Average	0.0777		Std Dev	0.0000		Rel Std Dev (%)	0.7434		<div>MARTIN COUNTY SO Test Manager - Richard Phalger Model 8000 SN 80-001189 12/01/2023 Software: 8000127</div> <table><thead><tr><th>Test</th><th>g/210L</th><th>Time</th></tr></thead><tbody><tr><td>Air Blank</td><td>0.000</td><td>10:57</td></tr><tr><td>Control Test</td><td>0.200</td><td>10:57</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:58</td></tr><tr><td>Control Test</td><td>0.199</td><td>10:59</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:59</td></tr><tr><td>Control Test</td><td>0.199</td><td>10:59</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:59</td></tr><tr><td>Control Test</td><td>0.199</td><td>10:59</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:59</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.1999</td><td></td></tr><tr><td>Std Dev</td><td>0.0000</td><td></td></tr><tr><td>Rel Std Dev (%)</td><td>0.0000</td><td></td></tr></tbody></table> <div>MG Operator's Signature</div>				Test	g/210L	Time	Air Blank	0.000	10:57	Control Test	0.200	10:57	Air Blank	0.000	10:58	Control Test	0.199	10:59	Air Blank	0.000	10:59	Control Test	0.199	10:59	Air Blank	0.000	10:59	Control Test	0.199	10:59	Air Blank	0.000	10:59	Control Test Stats			Average	0.1999		Std Dev	0.0000		Rel Std Dev (%)	0.0000		<div>MARTIN COUNTY SO Test Manager - Richard Phalger Model 8000 SN 80-001189 12/01/2023 Software: 8000127</div> <p>DGS</p> <table><thead><tr><th>Test</th><th>g/210L</th><th>Time</th></tr></thead><tbody><tr><td>Air Blank</td><td>0.000</td><td>10:37</td></tr><tr><td>Control Test</td><td>0.079</td><td>10:37</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:38</td></tr><tr><td>Control Test</td><td>0.079</td><td>10:38</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:38</td></tr><tr><td>Control Test</td><td>0.079</td><td>10:39</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:39</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0790</td><td></td></tr><tr><td>Std Dev</td><td>0.0000</td><td></td></tr><tr><td>Rel Std Dev (%)</td><td>0.0000</td><td></td></tr></tbody></table> <div>MG Operator's Signature</div>				Test	g/210L	Time	Air Blank	0.000	10:37	Control Test	0.079	10:37	Air Blank	0.000	10:38	Control Test	0.079	10:38	Air Blank	0.000	10:38	Control Test	0.079	10:39	Air Blank	0.000	10:39	Control Test Stats			Average	0.0790		Std Dev	0.0000		Rel Std Dev (%)	0.0000	
Test	g/210L	Time																																																																																																																																																																			
Air Blank	0.000	10:40																																																																																																																																																																			
Control Test	0.049	10:42																																																																																																																																																																			
Air Blank	0.000	10:43																																																																																																																																																																			
Control Test	0.049	10:44																																																																																																																																																																			
Air Blank	0.000	10:45																																																																																																																																																																			
Control Test	0.049	10:45																																																																																																																																																																			
Air Blank	0.000	10:46																																																																																																																																																																			
Control Test Stats																																																																																																																																																																					
Average	0.0490																																																																																																																																																																				
Std Dev	0.0000																																																																																																																																																																				
Rel Std Dev (%)	0.0000																																																																																																																																																																				
Test	g/210L	Time																																																																																																																																																																			
Air Blank	0.000	10:40																																																																																																																																																																			
Control Test	0.078	10:41																																																																																																																																																																			
Air Blank	0.000	10:42																																																																																																																																																																			
Control Test	0.078	10:43																																																																																																																																																																			
Air Blank	0.000	10:44																																																																																																																																																																			
Control Test	0.077	10:45																																																																																																																																																																			
Air Blank	0.000	10:46																																																																																																																																																																			
Control Test Stats																																																																																																																																																																					
Average	0.0777																																																																																																																																																																				
Std Dev	0.0000																																																																																																																																																																				
Rel Std Dev (%)	0.7434																																																																																																																																																																				
Test	g/210L	Time																																																																																																																																																																			
Air Blank	0.000	10:57																																																																																																																																																																			
Control Test	0.200	10:57																																																																																																																																																																			
Air Blank	0.000	10:58																																																																																																																																																																			
Control Test	0.199	10:59																																																																																																																																																																			
Air Blank	0.000	10:59																																																																																																																																																																			
Control Test	0.199	10:59																																																																																																																																																																			
Air Blank	0.000	10:59																																																																																																																																																																			
Control Test	0.199	10:59																																																																																																																																																																			
Air Blank	0.000	10:59																																																																																																																																																																			
Control Test Stats																																																																																																																																																																					
Average	0.1999																																																																																																																																																																				
Std Dev	0.0000																																																																																																																																																																				
Rel Std Dev (%)	0.0000																																																																																																																																																																				
Test	g/210L	Time																																																																																																																																																																			
Air Blank	0.000	10:37																																																																																																																																																																			
Control Test	0.079	10:37																																																																																																																																																																			
Air Blank	0.000	10:38																																																																																																																																																																			
Control Test	0.079	10:38																																																																																																																																																																			
Air Blank	0.000	10:38																																																																																																																																																																			
Control Test	0.079	10:39																																																																																																																																																																			
Air Blank	0.000	10:39																																																																																																																																																																			
Control Test Stats																																																																																																																																																																					
Average	0.0790																																																																																																																																																																				
Std Dev	0.0000																																																																																																																																																																				
Rel Std Dev (%)	0.0000																																																																																																																																																																				

Comments:



# Florida Department of Law Enforcement Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MARTIN COUNTY SO  
Time of Inspection: 13:26

Date of Inspection: 02/01/2023

Serial Number: 80-001189  
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#:00521080A2 Exp: 02/05/2023
0.000	0.050	0.078	0.199	0.080
0.000	0.050	0.078	0.200	0.079
0.000	0.050	0.078	0.200	0.079
0.000	0.050	0.079	0.200	0.079
0.000	0.050	0.078	0.200	0.079
0.000	0.050	0.078	0.200	0.079
0.000	0.050	0.078	0.200	0.080
0.000	0.050	0.078	0.200	0.079
0.000	0.050	0.079	0.200	0.079
0.000	0.050	0.079	0.200	0.080

Standard Deviations	0.0000	0.0004	0.0003	0.0004
---------------------	--------	--------	--------	--------

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.

 TAYLOR D GUTSCHOW  
Signature and Printed Name

02/01/2023  
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 80-001189, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001189</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>MARTIN COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>02/01/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>13:26</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  $\pm 0.005$  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.

02/01/2023

Date

TAYLOR D GUTSCHOW,  
Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

Page 1 of 1