



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 80-006627, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-006627</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>FLORIDA CITY PD</u>	0.050 g/ 210 L
Calibration Date:	<u>02/15/2021</u>	0.080 g/ 210 L
Calibration Time:	<u>10:37</u>	0.200 g/ 210 L
		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.

02/15/2021

Date

DAVID E REYES-RIVERA,

Department Inspector

Florida Department of Law Enforcement

Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FLORIDA CITY PD
Time of Inspection: 10:37

Date of Inspection: 02/15/2021

Serial Number: 80-006627
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	0.049	0.079	0.197	0.081
0.000	0.049	0.080	0.199	0.081
0.000	0.050	0.080	0.199	0.080
0.000	0.049	0.080	0.199	0.081
0.000	0.049	0.080	0.199	0.081
0.000	0.050	0.080	0.199	0.080
0.000	0.049	0.080	0.199	0.081
0.000	0.049	0.080	0.199	0.080
0.000	0.050	0.080	0.199	0.080
0.000	0.050	0.080	0.199	0.080
Standard Deviations	0.0005	0.0003	0.0006	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 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 Reyes Rivera DAVID E REYES-RIVERA
Signature and Printed Name

02/15/2021
Date

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities	80-006627	Florida City Police Department	2/15/2021	DERR <i>JML</i>

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 ☒																																																																																																																																																						
FLORIDA CITY PD Intoxilyzer - Alcohol Analyzer Model: 8000 02/15/2021 Software: 8100.27 SN: 80-006627 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>08:07</td></tr><tr><td>Control Test</td><td>0.049</td><td>08:08</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:09</td></tr><tr><td>Control Test</td><td>0.049</td><td>08:09</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:10</td></tr><tr><td>Control Test</td><td>0.049</td><td>08:11</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:11</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></table>	Test	g/210L	Time	Air Blank	0.000	08:07	Control Test	0.049	08:08	Air Blank	0.000	08:09	Control Test	0.049	08:09	Air Blank	0.000	08:10	Control Test	0.049	08:11	Air Blank	0.000	08:11	Control Test Stats			Average	0.0490		Std Dev	0.0000		Rel Std Dev(%)	0.0000		FLORIDA CITY PD Intoxilyzer - Alcohol Analyzer Model: 8000 02/15/2021 Software: 8100.27 SN: 80-006627 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>08:12</td></tr><tr><td>Control Test</td><td>0.000</td><td>08:13</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:13</td></tr><tr><td>Control Test</td><td>0.000</td><td>08:14</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:15</td></tr><tr><td>Control Test</td><td>0.000</td><td>08:15</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:15</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0000</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></table>	Test	g/210L	Time	Air Blank	0.000	08:12	Control Test	0.000	08:13	Air Blank	0.000	08:13	Control Test	0.000	08:14	Air Blank	0.000	08:15	Control Test	0.000	08:15	Air Blank	0.000	08:15	Control Test Stats			Average	0.0000		Std Dev	0.0000		Rel Std Dev(%)	0.0000		FLORIDA CITY PD Intoxilyzer - Alcohol Analyzer Model: 8000 02/15/2021 Software: 8100.27 SN: 80-006627 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>08:18</td></tr><tr><td>Control Test</td><td>0.199</td><td>08:18</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:19</td></tr><tr><td>Control Test</td><td>0.199</td><td>08:19</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:20</td></tr><tr><td>Control Test</td><td>0.199</td><td>08:20</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:21</td></tr><tr><td>Control Test</td><td>0.199</td><td>08:21</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:21</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.1990</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></table>	Test	g/210L	Time	Air Blank	0.000	08:18	Control Test	0.199	08:18	Air Blank	0.000	08:19	Control Test	0.199	08:19	Air Blank	0.000	08:20	Control Test	0.199	08:20	Air Blank	0.000	08:21	Control Test	0.199	08:21	Air Blank	0.000	08:21	Control Test Stats			Average	0.1990		Std Dev	0.0000		Rel Std Dev(%)	0.0000		FLORIDA CITY PD Intoxilyzer - Alcohol Analyzer Model: 8000 02/15/2021 Software: 8100.27 SN: 80-006627 <table><tr><th>Test</th><th>g/210L</th><th>Time</th></tr><tr><td>Air Blank</td><td>0.000</td><td>08:22</td></tr><tr><td>Control Test</td><td>0.080</td><td>08:23</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:23</td></tr><tr><td>Control Test</td><td>0.080</td><td>08:23</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:24</td></tr><tr><td>Control Test</td><td>0.080</td><td>08:24</td></tr><tr><td>Air Blank</td><td>0.000</td><td>08:25</td></tr><tr><td>Control Test Stats</td><td></td><td></td></tr><tr><td>Average</td><td>0.0800</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></table>	Test	g/210L	Time	Air Blank	0.000	08:22	Control Test	0.080	08:23	Air Blank	0.000	08:23	Control Test	0.080	08:23	Air Blank	0.000	08:24	Control Test	0.080	08:24	Air Blank	0.000	08:25	Control Test Stats			Average	0.0800		Std Dev	0.0000		Rel Std Dev(%)	0.0000	
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***** AUTO CAL DATA *****
Solution Stats Quadratic Fit Chan 2
Act Fit Residual
g/210L g/210L g/210L
0.000 0.000 -0.0003
0.040 0.040 0.0032
0.100 0.100 0.0003
0.200 0.200 -0.0005
0.300 0.300 0.0002

***** CHANNEL 1 *****
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.037
Std Dev = 0.00 Rel Std Dev = 8.11
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.766
Std Dev = 0.03 Rel Std Dev = 3.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.809
Std Dev = 0.04 Rel Std Dev = 2.16
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.506
Std Dev = 0.02 Rel Std Dev = 0.59
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.119
Std Dev = 0.03 Rel Std Dev = 0.53
Zero Order Coef = -102.38
First Order Coef = 2610.55
Second Order Coef = 39.07
Standard Deviation = 11.625575

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 6.7400 (0.0020)
Sample #2 = 6.8000 (0.0030)
Sample #3 = 6.7920 (0.0230)
Sample #4 = 6.8070 (0.0190)
Avg % Abs = 6.7997 (0.0150)
STD DEV = 0.0075 (0.0106)
REL STD DEV = 0.110 (70.553)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 1.4870 (-0.0100)
Sample #2 = 1.4940 (-0.0070)
Sample #3 = 1.5050 (0.0060)
Sample #4 = 1.5160 (0.0030)
Avg % Abs = 1.5050 (0.0007)
STD DEV = 0.0110 (0.0068)
REL STD DEV = 0.731 (1021.029)

***** CHANNEL 1 *****
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.037
Std Dev = 0.00 Rel Std Dev = 8.11
Sol Val = 0.1905 mg/l or 0.040 g/210L
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Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.037
Std Dev = 0.00 Rel Std Dev = 8.11
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% Abs = 0.766
Std Dev = 0.03 Rel Std Dev = 3.76
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% Abs = 1.809
Std Dev = 0.04 Rel Std Dev = 2.16
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.506
Std Dev = 0.02 Rel Std Dev = 0.59
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.119
Std Dev = 0.03 Rel Std Dev = 0.53
Zero Order Coef = -102.38
First Order Coef = 2610.55
Second Order Coef = 39.07
Standard Deviation = 11.625575

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 5.0500 (-0.0100)
Sample #2 = 5.1140 (-0.0130)
Sample #3 = 5.0940 (0.0230)
Sample #4 = 5.1480 (0.0090)
Avg % Abs = 5.1187 (0.0053)
STD DEV = 0.0273 (0.0181)
REL STD DEV = 0.533 (286.540)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 1.7820 (0.0000)
Sample #2 = 1.8010 (0.0130)
Sample #3 = 1.7740 (0.0240)
Sample #4 = 1.8510 (0.0100)
Avg % Abs = 1.8087 (0.0157)
STD DEV = 0.0391 (0.0074)
REL STD DEV = 2.160 (47.650)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 0.0520 (-0.0130)
Sample #2 = 0.0400 (0.0230)
Sample #3 = 0.0370 (0.0490)
Sample #4 = 0.0340 (0.0690)
Avg % Abs = 0.0370 (0.0457)
STD DEV = 0.0030 (0.0226)
REL STD DEV = 8.108 (48.408)

***** CHANNEL 2 *****
Sample #1 = 3356.00
Sample #2 = 3353.00
Sample #3 = 3339.00
Sample #4 = 3363.00
Average Result = 3351.6667
STD DEV = 12.0554
REL STD DEV = 0.360

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1014
3 in H2O Adjust (mg/l*10,000) = 408
9 in H2O Adjust (mg/l*10,000) = 458
***** AUTO CAL PASS

***** CHANNEL 2 *****
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.101
Std Dev = 0.00 Rel Std Dev = 4.69
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.505
Std Dev = 0.01 Rel Std Dev = 0.73
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.553
Std Dev = 0.02 Rel Std Dev = 0.45
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.800
Std Dev = 0.01 Rel Std Dev = 0.11
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.800
Std Dev = 0.02 Rel Std Dev = 0.25
Zero Order Coef = -120.03
First Order Coef = 1313.79
Second Order Coef = 15.84
Standard Deviation = 16.320831

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 9.7390 (0.0050)
Sample #2 = 9.7860 (0.0130)
Sample #3 = 9.7860 (0.0230)
Sample #4 = 9.8280 (0.0100)
Avg % Abs = 9.8000 (0.0153)
STD DEV = 0.0242 (0.0068)
REL STD DEV = 0.247 (44.393)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 3.5190 (0.0000)
Sample #2 = 3.5570 (0.0070)
Sample #3 = 3.5350 (0.0140)
Sample #4 = 3.5660 (0.0220)
Avg % Abs = 3.5527 (0.0143)
STD DEV = 0.0159 (0.0075)
REL STD DEV = 0.449 (52.364)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 0.0930 (0.0000)
Sample #2 = 0.0970 (0.0010)
Sample #3 = 0.1060 (0.0030)
Sample #4 = 0.0990 (0.0100)
Avg % Abs = 0.1007 (0.0047)
STD DEV = 0.0047 (0.0047)
REL STD DEV = 4.695 (101.267)

***** CHANNEL 1 *****
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.037
Std Dev = 0.00 Rel Std Dev = 8.11
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.766
Std Dev = 0.03 Rel Std Dev = 3.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
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% Abs = 5.119
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Zero Order Coef = -102.38
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***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 3.5190 (0.0000)
Sample #2 = 3.5570 (0.0070)
Sample #3 = 3.5350 (0.0140)
Sample #4 = 3.5660 (0.0220)
Avg % Abs = 3.5527 (0.0143)
STD DEV = 0.0159 (0.0075)
REL STD DEV = 0.449 (52.364)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 3.5190 (0.0000)
Sample #2 = 3.5570 (0.0070)
Sample #3 = 3.5350 (0.0140)
Sample #4 = 3.5660 (0.0220)
Avg % Abs = 3.5527 (0.0143)
STD DEV = 0.0159 (0.0075)
REL STD DEV = 0.449 (52.364)

***** CHANNEL 2 *****
Sample % Abs (% Abs Ref)
Sample #1 = 0.0930 (0.0000)
Sample #2 = 0.0970 (0.0010)
Sample #3 = 0.1060 (0.0030)
Sample #4 = 0.0990 (0.0100)
Avg % Abs = 0.1007 (0.0047)
STD DEV = 0.0047 (0.0047)
REL STD DEV = 4.695 (101.267)

***** CHANNEL 1 *****
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.037
Std Dev = 0.00 Rel Std Dev = 8.11
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.766
Std Dev = 0.03 Rel Std Dev = 3.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.809
Std Dev = 0.04 Rel Std Dev = 2.16
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.506
Std Dev = 0.02 Rel Std Dev = 0.59
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.119
Std Dev = 0.03 Rel Std Dev = 0.53
Zero Order Coef = -102.38
First Order Coef = 2610.55
Second Order Coef = 39.07
Standard Deviation = 11.625575

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STD DEV = 0.0047 (0.0047)
REL STD DEV = 4.695 (101.267)

Optical Calibration	
SN:	80-006627
Agency:	Florida City PD
Date:	02/15/2021
Quadratic Fit:	+/- 0.002g/210L
By:	DERR <i>hul</i>

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006627	Florida City Police Department	2/11/2021	DERR <i>[Signature]</i>

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 ☒
FLORIDA CITY PD Intoxilyzer - Alconol Analyzer Model 8000 02/11/2021 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:34 Control Test 0.048 08:35 Air Blank 0.000 08:35 Control Test 0.048 08:36 Air Blank 0.000 08:37 Control Test 0.048 08:37 Air Blank 0.000 08:38 Control Test Stats Average 0.0480 Std Dev 0.0000 Rel Std Dev(%) 0.0000 <i>[Signature]</i> Operator's Signature	FLORIDA CITY PD Intoxilyzer - Alconol Analyzer Model 8000 02/11/2021 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:41 Control Test 0.077 08:42 Air Blank 0.000 08:42 Control Test 0.077 08:43 Air Blank 0.000 08:44 Control Test 0.078 08:44 Air Blank 0.000 08:45 Control Test Stats Average 0.0773 Std Dev 0.0006 Rel Std Dev(%) 0.7466 <i>[Signature]</i> Operator's Signature	FLORIDA CITY PD Intoxilyzer - Alconol Analyzer Model 8000 02/11/2021 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:46 Control Test 0.193 08:47 Air Blank 0.000 08:47 Control Test 0.194 08:48 Air Blank 0.000 08:48 Control Test 0.195 08:49 Air Blank 0.000 08:50 Control Test Stats Average 0.1940 Std Dev 0.0010 Rel Std Dev(%) 0.5155 <i>[Signature]</i> Operator's Signature	FLORIDA CITY PD Intoxilyzer - Alconol Analyzer Model 8000 02/11/2021 Software: 8100.27 Test g/210L Time Air Blank 0.000 08:51 Control Test 0.080 08:51 Air Blank 0.000 08:52 Control Test 0.079 08:52 Air Blank 0.000 08:53 Control Test 0.080 08:53 Air Blank 0.000 08:54 Control Test Stats Average 0.0797 Std Dev 0.0006 Rel Std Dev(%) 0.7247 <i>[Signature]</i> Operator's Signature