

Flow Calibration Adjustment(s)

Performed by TDG

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001121
02/07/2025
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff) = 6.855

2: Rate (Liters/min) = 15

SQRT(Diff) = 11.789

3: Rate (Liters/min) = 30

SQRT(Diff) = 21.258

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 670

Rounded Intercept = -615168

Correlation = 0.99790

Stability Checks

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L																																																																																																																																				
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Sample % Abs (% Abs Ref)
Sample #1 = 1.6150 (-0.0200)
Sample #2 = 1.5870 (0.0080)
Sample #3 = 1.5860 (-0.0020)
Sample #4 = 1.5640 (0.0070)
Avg % Abs = 1.5790 (0.0043)
STD DEV = 0.0130 (0.0055)
REL STD DEV = 0.823 (127.098)

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000
02/13/2025
SN 80-001121
09:21:34

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12731, Sum Io = 12726

Sample % Abs (% Abs Ref)
Sample #1 = 1.9820 (-0.0110)
Sample #2 = 1.9780 (0.0010)
Sample #3 = 1.9560 (0.0310)
Sample #4 = 1.9210 (0.0340)
Avg % Abs = 1.9517 (0.0220)
STD DEV = 0.0287 (0.0182)
REL STD DEV = 1.473 (82.947)

Sample % Abs (% Abs Ref)
Sample #1 = 3.7020 (-0.0010)
Sample #2 = 3.7240 (0.0000)
Sample #3 = 3.6860 (0.0090)
Sample #4 = 3.6890 (0.0040)
Avg % Abs = 3.6937 (0.0043)
STD DEV = 0.0211 (0.0045)
REL STD DEV = 0.571 (104.060)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12728, Sum Io = 12725

Sample % Abs (% Abs Ref)
Sample #1 = 3.7560 (-0.0170)
Sample #2 = 3.7240 (0.0200)
Sample #3 = 3.7250 (0.0160)
Sample #4 = 3.7590 (0.0040)
Avg % Abs = 3.7360 (0.0133)
STD DEV = 0.0199 (0.0083)
REL STD DEV = 0.533 (62.450)

Sample % Abs (% Abs Ref)
Sample #1 = 0.8790 (-0.0060)
Sample #2 = 0.8650 (0.0220)
Sample #3 = 0.8920 (0.0080)
Sample #4 = 0.8290 (0.0390)
Avg % Abs = 0.8620 (0.0230)
STD DEV = 0.0316 (0.0155)
REL STD DEV = 3.667 (67.496)

Sample % Abs (% Abs Ref)
Sample #1 = 7.1130 (-0.0150)
Sample #2 = 7.0750 (0.0230)
Sample #3 = 7.0920 (0.0060)
Sample #4 = 7.1040 (0.0070)
Avg % Abs = 7.0903 (0.0120)
STD DEV = 0.0146 (0.0095)
REL STD DEV = 0.206 (79.495)

Sol Value = 0.300 g/210L ***
Fit Value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12727, Sum Io = 12724

Sample % Abs (% Abs Ref)
Sample #1 = 5.4750 (-0.0070)
Sample #2 = 5.4940 (-0.0020)
Sample #3 = 5.5240 (-0.0040)
Sample #4 = 5.5030 (-0.0030)
Avg % Abs = 5.5070 (-0.0030)
STD DEV = 0.0154 (0.0010)
REL STD DEV = 0.280 (33.333)

Sample % Abs (% Abs Ref)
Sample #1 = 10.3300 (-0.0040)
Sample #2 = 10.3470 (0.0080)
Sample #3 = 10.3450 (0.0050)
Sample #4 = 10.3410 (0.0090)
Avg % Abs = 10.3443 (0.0073)
STD DEV = 0.0031 (0.0021)
REL STD DEV = 0.030 (28.386)

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.094
Std Dev = 0.02 Rel Std Dev = 26.50
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.862
Std Dev = 0.03 Rel Std Dev = 3.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.952
Std Dev = 0.03 Rel Std Dev = 1.47
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.736
Std Dev = 0.02 Rel Std Dev = 0.53
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.507
Std Dev = 0.02 Rel Std Dev = 0.28
Zero Order Coef = -266.16
First Order Coef = 2545.57
Second Order Coef = 17.96
Standard Deviation = 28.055456

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.087
Std Dev = 0.01 Rel Std Dev = 16.09
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.579
Std Dev = 0.01 Rel Std Dev = 0.82
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.700
Std Dev = 0.02 Rel Std Dev = 0.57
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.090
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.344
Std Dev = 0.00 Rel Std Dev = 0.03
Zero Order Coef = -126.64
First Order Coef = 1282.53
Second Order Coef = 10.76
Standard Deviation = 15.403234

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.087
Std Dev = 0.01 Rel Std Dev = 16.09
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% Abs = 10.344
Std Dev = 0.00 Rel Std Dev = 0.03
Zero Order Coef = -126.64
First Order Coef = 1282.53
Second Order Coef = 10.76
Standard Deviation = 15.403234

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12730, Sum Io = 12727

Sample % Abs (% Abs Ref)
Sample #1 = 1.9820 (-0.0110)
Sample #2 = 1.9780 (0.0010)
Sample #3 = 1.9560 (0.0310)
Sample #4 = 1.9210 (0.0340)
Avg % Abs = 1.9517 (0.0220)
STD DEV = 0.0287 (0.0182)
REL STD DEV = 1.473 (82.947)

Sample % Abs (% Abs Ref)
Sample #1 = 3.7020 (-0.0010)
Sample #2 = 3.7240 (0.0000)
Sample #3 = 3.6860 (0.0090)
Sample #4 = 3.6890 (0.0040)
Avg % Abs = 3.6937 (0.0043)
STD DEV = 0.0211 (0.0045)
REL STD DEV = 0.571 (104.060)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12728, Sum Io = 12725

Sample % Abs (% Abs Ref)
Sample #1 = 3.7560 (-0.0170)
Sample #2 = 3.7240 (0.0200)
Sample #3 = 3.7250 (0.0160)
Sample #4 = 3.7590 (0.0040)
Avg % Abs = 3.7360 (0.0133)
STD DEV = 0.0199 (0.0083)
REL STD DEV = 0.533 (62.450)

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Sample #2 = 0.8650 (0.0220)
Sample #3 = 0.8920 (0.0080)
Sample #4 = 0.8290 (0.0390)
Avg % Abs = 0.8620 (0.0230)
STD DEV = 0.0316 (0.0155)
REL STD DEV = 3.667 (67.496)

Optical Calibration Adjustment

By: TDG

Post-Cal Stability Checks

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L																																																																																																																																				
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Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 12:13

Date of Inspection: 02/14/2025

Serial Number: 80-001121
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#:202303K Exp: 03/29/2025	0.08g/210L Test (g/210L) Lot#:202303L Exp: 03/29/2025	0.20g/210L Test (g/210L) Lot#:202304C Exp: 04/05/2025	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG429602 Exp: 10/22/2026
0.000	0.050	0.080	0.198	0.080
0.000	0.049	0.080	0.198	0.080
0.000	0.049	0.079	0.197	0.080
0.000	0.050	0.080	0.198	0.080
0.000	0.050	0.080	0.198	0.080
0.000	0.049	0.080	0.197	0.080
0.000	0.049	0.079	0.197	0.080
0.000	0.050	0.079	0.197	0.080
0.000	0.049	0.080	0.197	0.080
0.000	0.049	0.079	0.198	0.080

Standard Deviations	0.0005	0.0005	0.0005	0.0000
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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.

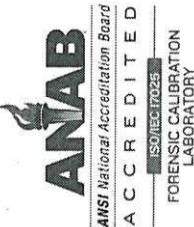
I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.



TAYLOR D GUTSCHOW

Signature and Printed Name

02/14/2025
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 80-001121, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001121</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>FL HIGHWAY PATROL</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>02/14/2025</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>12:13</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.

02/14/2025

Date

TAYLOR D GUTSCHOW,
Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality