



80-001045

10/22/2025 SUT

# Flow Calibration

Root Cause Analysis Performed Prior



Performed by SLH

Flow Calibration  
performed due to  
no user/equipment  
error. SUT

JACKSONVILLE SO -  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001045  
10/22/2025  
Software: 8100.27

Flow Rate Calibration\*\*\*\*\*

1: Rate (Liters/min) = 5  
SQRT(Diff) ) = 6.781  
2: Rate (Liters/min) = 15  
SQRT(Diff) ) = 11.133  
3: Rate (Liters/min) = 30  
SQRT(Diff) ) = 19.414  
Dependent Data Scale Factor = 100000 L/min  
Independent Data Scale Factor = 256  
Rounded Slope = 764  
Rounded Intercept = -768239  
Correlation = 0.99803



JACKSONVILLE SO

Intoxilyzer - Alcohol Analyzer

Model 8000

10/27/2025

SN 80-001045

11:06:56

*SUB*

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>> <<<<< 9um >>>>>

-----  
Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0870	(-0.0170)	0.0990	(-0.0220)
Sample #2	0.0880	(-0.0330)	0.0890	(-0.0290)
Sample #3	0.0770	(-0.0220)	0.1040	(-0.0240)
Sample #4	0.0850	(-0.0050)	0.0920	(-0.0040)
Avg % Abs	0.0833	(-0.0200)	0.0950	(-0.0190)
STD DEV	0.0057	(0.0141)	0.0079	(0.0132)
REL STD DEV	6.823	(70.534)	8.355	(69.625)

-----  
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8480	(-0.0200)	1.5740	(-0.0110)
Sample #2	0.8360	(-0.0030)	1.5640	(0.0070)
Sample #3	0.8750	(0.0000)	1.5510	(0.0190)
Sample #4	0.8480	(0.0370)	1.5650	(0.0410)
Avg % Abs	0.8530	(0.0113)	1.5600	(0.0223)
STD DEV	0.0200	(0.0223)	0.0078	(0.0172)
REL STD DEV	2.342	(196.575)	0.501	(77.209)

-----  
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.9540	(-0.0050)	3.7010	(0.0050)
Sample #2	1.9640	(0.0010)	3.7120	(0.0210)
Sample #3	1.9740	(0.0380)	3.6860	(0.0430)
Sample #4	1.9470	(0.0730)	3.6930	(0.0630)
Avg % Abs	1.9617	(0.0373)	3.6970	(0.0423)
STD DEV	0.0137	(0.0360)	0.0135	(0.0210)
REL STD DEV	0.696	(96.441)	0.364	(49.625)

-----  
Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.7880	(-0.0100)	7.1210	(-0.0070)
Sample #2	3.7570	(0.0130)	7.0670	(0.0500)
Sample #3	3.7470	(0.0250)	7.0300	(0.0770)
Sample #4	3.7380	(0.0580)	7.0250	(0.0920)
Avg % Abs	3.7473	(0.0320)	7.0407	(0.0730)
STD DEV	0.0095	(0.0233)	0.0229	(0.0213)
REL STD DEV	0.254	(72.820)	0.326	(29.156)

-----  
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.4960	(-0.0070)	10.2790	(-0.0030)
Sample #2	5.4770	(0.0430)	10.2210	(0.0670)
Sample #3	5.4620	(0.0690)	10.2100	(0.0970)
Sample #4	5.4440	(0.1050)	10.1840	(0.1300)
Avg % Abs	5.4610	(0.0723)	10.2050	(0.0980)
STD DEV	0.0165	(0.0311)	0.0190	(0.0315)
REL STD DEV	0.303	(43.043)	0.186	(32.155)

JACKSONVILLE SO  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001045  
 10/27/2025 11:06:56

*Sut*

Auto Calibration

pg 2 of 2

<<<<< 3um >>>>>			<<<<< 9um >>>>>		
Zero Order Coef	-213.91		Zero Order Coef	-120.01	
First Order Coef	2468.95		First Order Coef	1272.80	
Second Order Coef	34.17		Second Order Coef	13.62	
Act (g/210L)	Fit (g/210L)	Residual (g/210L)	Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0002	0.000	0.000	-0.0000
0.040	0.040	-0.0003	0.040	0.040	0.0001
0.100	0.100	0.0000	0.100	0.100	-0.0002
0.200	0.200	0.0001	0.200	0.200	0.0002
0.300	0.300	-0.0000	0.300	0.300	-0.0000

<<<<< 3um >>>>>		<<<<< 9um >>>>>	
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1			
Sample			
Sample #1	3250.00		3485.00
Sample #2	3184.00		3438.00
Sample #3	3163.00		3412.00
Sample #4	3191.00		3416.00
Avg	3179.3333		3422.0000
STD DEV	14.5717		14.0000
REL STD DEV	0.458		0.409
H2O adjust (mg/l*10k)	630		387

Barometric Pressure = 1007

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

80-001045  
10/27/2025  
SUT

# Stability Checks (Post)

0.050 g/210L 0.047 to 0.053 g/210L	0.080 g/210L 0.077 to 0.083 g/210L	0.200 g/210L 0.194 to 0.206 g/210L	DGS 0.080 g/210L 0.077 to 0.083 g/210L 50.003 g/210L of Wet																																																																																																																																																
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# Florida Department of Law Enforcement Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: JACKSONVILLE SO  
Time of Inspection: 12:55

Date of Inspection: 10/28/2025

Serial Number: 80-001045  
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#:202406K Exp: 06/19/2026	0.08g/210L Test (g/210L) Lot#:202406L Exp: 06/19/2026	0.20g/210L Test (g/210L) Lot#:202406N Exp: 06/20/2026	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG510701 Exp: 04/17/2027
0.000	0.049	0.079	0.196	0.082
0.000	0.049	0.079	0.196	0.081
0.000	0.049	0.079	0.196	0.081
0.000	0.049	0.078	0.196	0.081
0.000	0.050	0.077	0.197	0.081
0.000	0.050	0.077	0.196	0.080
0.000	0.050	0.077	0.197	0.080
0.000	0.050	0.077	0.196	0.080
0.000	0.051	0.077	0.196	0.080
0.000	0.050	0.076	0.197	0.080

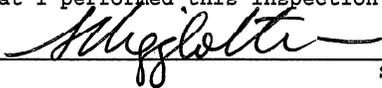
Standard Deviations	0.0006	0.0010	0.0004	0.0006
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0006 Number of Simulators Used: 5

Remarks:

The above instrument complies (  ) does not comply (  ) with Chapter 11D-8, FAC.

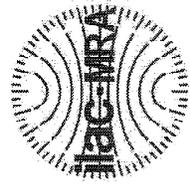
I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.



LEANDRA HIGGINBOTHAM

Signature and Printed Name

10/28/2025  
Date



Florida Department of Law Enforcement  
 Alcohol Testing Program  
 2331 Phillips Road  
 Tallahassee, FL 32308

# Calibration Certificate

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001045, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001045</u>	UNCERTAINTY* ±	
Owning Agency:	<u>JACKSONVILLE SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>10/28/2025</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>12:55</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.

*Leandra Higginbotham*  
 \_\_\_\_\_  
 LEANDRA HIGGINBOTHAM,  
 Department Inspector

10/28/2025

Date

FDLE/ATP Form 69 October 2024  
 Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality