



# Flow Calibration Adjustment(s)

Performed by TDG





FL HIGHWAY PATROL  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-006772  
02/07/2025  
Software: 8100.27

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

1: Rate (Liters/min) = 5  
SQRT(Diff) = 7.000  
2: Rate (Liters/min) = 15  
SQRT(Diff) = 17.914  
3: Rate (Liters/min) = 30  
SQRT(Diff) = 20.926  
Dependent Data Scale Factor = 100000 L/min  
Independent Data Scale Factor = 256  
Rounded Slope = 695  
Rounded Intercept = -695970  
Correlation = 0.99858



# Stability Checks

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L																																																																																																																																																
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<p>FL HIGHWAY PATROL Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006772 02/07/2025 Software: 8100.27</p> <table border="1"> <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>11:57</td></tr> <tr><td>Control Test</td><td>0.050</td><td>11:57</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>11:58</td></tr> <tr><td>Control Test</td><td>0.050</td><td>11:59</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>11:59</td></tr> <tr><td>Control Test</td><td>0.049</td><td>12:00</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:00</td></tr> <tr><td>Control Test Stats</td><td></td><td></td></tr> <tr><td>Average</td><td>0.0497</td><td></td></tr> <tr><td>Std Dev</td><td>0.0006</td><td></td></tr> <tr><td>Rel Std Dev(%)</td><td>1.1625</td><td></td></tr> </tbody> </table> <p>Operator's Signature </p>	Test	g/210L	Time	Air Blank	0.000	11:57	Control Test	0.050	11:57	Air Blank	0.000	11:58	Control Test	0.050	11:59	Air Blank	0.000	11:59	Control Test	0.049	12:00	Air Blank	0.000	12:00	Control Test Stats			Average	0.0497		Std Dev	0.0006		Rel Std Dev(%)	1.1625		<p>FL HIGHWAY PATROL Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006772 02/07/2025 Software: 8100.27</p> <table border="1"> <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>12:08</td></tr> <tr><td>Control Test</td><td>0.078</td><td>12:09</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:09</td></tr> <tr><td>Control Test</td><td>0.079</td><td>12:10</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:10</td></tr> <tr><td>Control Test</td><td>0.079</td><td>12:11</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:12</td></tr> <tr><td>Control Test Stats</td><td></td><td></td></tr> <tr><td>Average</td><td>0.0787</td><td></td></tr> <tr><td>Std Dev</td><td>0.0006</td><td></td></tr> <tr><td>Rel Std Dev(%)</td><td>0.7339</td><td></td></tr> </tbody> </table> <p>Operator's Signature </p>	Test	g/210L	Time	Air Blank	0.000	12:08	Control Test	0.078	12:09	Air Blank	0.000	12:09	Control Test	0.079	12:10	Air Blank	0.000	12:10	Control Test	0.079	12:11	Air Blank	0.000	12:12	Control Test Stats			Average	0.0787		Std Dev	0.0006		Rel Std Dev(%)	0.7339		<p>FL HIGHWAY PATROL Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006772 02/07/2025 Software: 8100.27</p> <table border="1"> <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>12:16</td></tr> <tr><td>Control Test</td><td>0.199</td><td>12:16</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:17</td></tr> <tr><td>Control Test</td><td>0.199</td><td>12:18</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:18</td></tr> <tr><td>Control Test</td><td>0.199</td><td>12:19</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>12:19</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> </tbody> </table> <p>Operator's Signature </p>	Test	g/210L	Time	Air Blank	0.000	12:16	Control Test	0.199	12:16	Air Blank	0.000	12:17	Control Test	0.199	12:18	Air Blank	0.000	12:18	Control Test	0.199	12:19	Air Blank	0.000	12:19	Control Test Stats			Average	0.1990		Std Dev	0.0000		Rel Std Dev(%)	0.0000		<p>FL HIGHWAY PATROL Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006772 02/07/2025 Software: 8100.27</p> <table border="1"> <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>11:31</td></tr> <tr><td>Control Test</td><td>0.076</td><td>11:31</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>11:32</td></tr> <tr><td>Control Test</td><td>0.077</td><td>11:32</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>11:33</td></tr> <tr><td>Control Test</td><td>0.077</td><td>11:33</td></tr> <tr><td>Air Blank</td><td>0.000</td><td>11:34</td></tr> <tr><td>Control Test Stats</td><td></td><td></td></tr> <tr><td>Average</td><td>0.0767</td><td></td></tr> <tr><td>Std Dev</td><td>0.0006</td><td></td></tr> <tr><td>Rel Std Dev(%)</td><td>0.7531</td><td></td></tr> </tbody> </table> <p>Operator's Signature </p>	Test	g/210L	Time	Air Blank	0.000	11:31	Control Test	0.076	11:31	Air Blank	0.000	11:32	Control Test	0.077	11:32	Air Blank	0.000	11:33	Control Test	0.077	11:33	Air Blank	0.000	11:34	Control Test Stats			Average	0.0767		Std Dev	0.0006		Rel Std Dev(%)	0.7531	
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FL HIGHWAY PATROL  
Intoxilyzer - Alcohol Analyzer  
Model 8000  
02/13/2025 09:19:19  
SN 80-006772

## &lt;&lt;&lt;&lt; CHANNEL 2 &gt;&gt;&gt;&gt;

```

<<<< CHANNEL 2 >>>> (% Abs Ref)
Sample % Abs
Sample #1 = 6.4860 (0.0080)
Sample #2 = 6.4900 (0.0190)
Sample #3 = 6.4950 (0.0350)
Sample #4 = 6.5030 (0.0210)
Avg % Abs = 6.4840 (0.0250)
STD DEV = 0.0226 (0.0087)
REL STD DEV = 0.349 (34.871)

```

[illegible]

Fit value = 0.4763 mg/l 4444  
 Samples Taken = 4, Discarded = 1  
 Sum To = 12966, Sum Lo = 13628  
 Max Power Res Value = 106  
 Auto Range Res Value = 112

\*\*\*  
00000000000000000000000000000000  
CHANEL I >>>> >>>>

```

Fit value = 0.0000 mg/L  %%%
Samples Taken = 4, Discarded = 1
Sum 10 = 12892, 9um 10 = 13629

<<<<< CHANNEL 1 >>>>>

Sample      % Abs      (% Abs Ref)
Sample #1 = 1.6730      (-0.0110)
Sample #2 = 1.8380      (0.0080)
Sample #3 = 1.8450      (0.0030)
Sample #4 = 1.9840      (-0.0060)

Aug % Abs = 1.8557      (0.0017)
STD DEV = 0.0248      (0.0071)
REL STD DEV = 1.3365      (425.676)

```

CHANEL 2

```

REL STD DEV = 20.183 [85.446]
-----
Sample 1 = 3.4310 (% Abs Ref) (0.0000)
Sample H1 = 3.4310 (0.0000)
Sample H2 = 3.3930 (0.0190)
Sample H3 = 3.3940 (0.0100)
Sample H4 = 3.4190 (0.0070)
Sample H5 = 3.4020 (0.0120)
Avg STD DEV = 0.0147 (0.0062)
STD DEV = 0.0147 (0.0062)
REL STD DEV = 0.433 [52.042]
-----
Sample 1 = 0.1580 (% Abs Ref) (0.0000)
Sample H1 = 0.1380 (-0.0170)
Sample H2 = 0.1510 (-0.0190)
Sample H3 = 0.1550 (-0.0270)

```

Hvg % HDZ = 0.1997	Sq   Hvg   B = 0.200 0200
STG cell = 0.0025	

REL STD DEV = 1.698 (17.830)  
 ---  
 Fit value = 0.9524 mg/l 8888  
 Samples Taken = 4, Discarded = 1  
 Sum Lo = 12866, Sum Hi = 13626

>>>> | ENJOY >>>>      \*\*\*  
 >>>> | ENJOY >>>>      \*\*\*  
 >>>> | ENJOY >>>>      \*\*\*

```

Fit value = 0.045 g/1.1111111111111111
Fit value = 0.1915 mg/1.1111111111111111
Samples Taken = 4, Discarded = 1
Sum Io = 12886, Sum Io = 13628
<<<<< CHANNEL 1 >>>>>
Sample      % Abs      (% Abs Ref)
Sample #1 = 0.8170      (-0.0100)
Sample #2 = 0.8480      (-0.0260)
Sample #3 = 0.8360      (-0.0220)
Sample #4 = 0.8560      (-0.0110)
Aug % Abs = 3.5463      (0.0107)
STD DEV = 0.0256      (0.0125)
REF STD DEV = 0.7211      (0.17219)

```

Sample # = 08180  
 \* (-0020)  
 -----

Sample size = 50000  
Avg % Abs = 0.8340 (-0.0167)  
STD DEV = 0.0151 (0.0129)  
REL STD DEV = 1.811 (77.149)

CHINESE CHANNELS

Sol UAl = 0.0000 mg/l or 0.000 g/210L	% AS = 0.112
Std Dev = 0.02 Rel Std Dev = 20.18	
Sol UAl = 0.1905 mg/l or 0.042 g/210L	% AS = 0.834
Std Dev = 0.02 Rel Std Dev = 1.81	
Sol UAl = 0.4762 mg/l or 0.100 g/210L	% AS = 1.856
Std Dev = 0.02 Rel Std Dev = 1.34	
Sol UAl = 0.9524 mg/l or 0.200 g/210L	

3546 = 3546

Std Dev = 0.03 Rel. Std Dev = 0.72  
Sol Val = 1.4286 mg/l or 0.300 g/210L  
% Abs = 5.219  
Std Dev = 0.01 Rel. Std Dev = 0.27  
Zero Order Coef = -329.52  
First Order Coef = 2710.50  
Second Order Coef = 17.56  
Standard Deviation = 25.59335

## &lt;&lt;&lt;&lt; CHANNEL 2 &gt;&gt;&gt;&gt;

Sol Val = 0.0000 mg/l or 0.000 g/210L  
% Abs = 0.154  
Std Dev = 0.00 Rel Std Dev = 1.64  
Sol Val = 0.1905 mg/l or 0.040 g/210L  
% Abs = 1.500

## Std Dev = 0.02 Rel Std Dev = 1.42

Sol. Val = 0.4762 mg/L or 0.100 g/210L	
% ADS = 3.402	
Std Dev = 0.01 Rel Std Dev = 0.43%	
Sol. Val = 0.5524 mg/L or 0.200 g/210L	
% ADS = 6.484	
Std Dev = 0.02 Rel Std Dev = 0.35%	
Sol. Val = 1.4266 mg/L or 0.300 g/210L	
% ADS = 9.482	

$$\text{std } \eta_{\text{all}} = 0.00 \quad \text{std } \eta_{\text{all}} = 0.02$$

Zero Order Coef = -243.16  
First Order Coef = 1437.95  
Second Order Coef = 10.04  
Standard Deviation = 22.192862

.....

## Optical Calibration Adjustment

Bv: TDG

Solution Stats Quadratic Fit Chan 1			
Act	Fit	Residual	
g/210L	g/210L	g/210L	
0.000	-0.001	0.0005	
0.040	0.041	-0.0008	
0.100	0.100	0.0000	
0.200	0.200	0.0004	
0.300	0.300	-0.0002	

Solution Stats Quadratic Fit Chan 2			
Act	Fit	Residual	
g/210L	g/210L	g/210L	
0.000	-0.000	0.0005	
0.040	0.041	-0.0007	
0.100	0.100	-0.0001	
0.200	0.200	0.0004	
0.300	0.300	-0.0002	

\*\*\*  
\*\*\*

it value = 0.3810 mg/l %%%  
 samples Taken = 4, Discarded = 1  
 \*\*\* CHANNEL 1

Example #1 = 2983.00

```

Sample #1 = 2588.00
Sample #2 = 2539.00
Sample #3 = 2994.00
Sample #4 = 2982.00
Average Result = 2978.3333
STD DEV = 17.7658
SE STD DEV = 0.597

```

ADIC 77V

```

*****
**** CHANNEL 2 ****
Sample #1 = 3160.00
Sample #2 = 3199.00
Sample #3 = 3199.00
Sample #4 = 3182.00
Average Result = 3190.0000
STD DEV = 8.5640
COUNT = 0.0000

```

## 007'0 - 070 DIC 73X

```
*****
Dry Gas H2O Adjust Results *****
Barometric Pressure = 1022
3 um H2O Adjust (mg/l*10,000) = 831
9 um H2O Adjust (mg/l*10,000) = 619
**** AUTO CAL PASS
```



# Post-Cal Stability Checks

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# Florida Department of Law Enforcement Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

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

Date of Inspection: 02/14/2025

Serial Number: 80-006772  
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	0.197	0.080
0.000	0.050	0.080	0.197	0.080
0.000	0.050	0.079	0.197	0.080
0.000	0.050	0.079	0.197	0.080
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0.000	0.050	0.080	0.197	0.080
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0.000	0.050	0.080	0.197	0.079
0.000	0.051	0.080	0.197	0.080

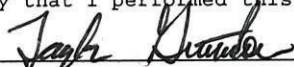
Standard Deviations	0.0004	0.0004	0.0000	0.0003
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 Number of Simulators Used: 5

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.

  
\_\_\_\_\_  
Signature and Printed Name

TAYLOR D GUTSCHOW

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 80-006772, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-006772</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>13:12</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.

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

02/14/2025

Date

TAYLOR D GUTSCHOW,

Department Inspector

Service • Integrity • Respect • Quality