



## INSTRUMENT PROCESSING SHEET

Agency Florida Highway Patrol Troop BS/N 80-006221Florida Department of  
Law EnforcementDate In 03/14/2023DI Completion Date 04/28/2023☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By TDG	Quality Checks	By TDG	Date <u>04/07/2023</u>	Flow Calibration	By	Date																																																											
<input checked="" type="checkbox"/> Annual <input checked="" type="checkbox"/> Registration <input checked="" type="checkbox"/> Return from CMI / EE  Visual Inspection: <input checked="" type="checkbox"/> Case <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/> Keyboard <input checked="" type="checkbox"/> Dry Gas Shelf <input checked="" type="checkbox"/> Feet <input checked="" type="checkbox"/> Breath Tube <input checked="" type="checkbox"/> Ports <input checked="" type="checkbox"/> Screws Tight  Other Equipment/ Accessories: <input type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable  Notes: Instrument was shipped from CMI with the dry gas shelf detached.		<input checked="" type="checkbox"/> Breath Tube Screen <input checked="" type="checkbox"/> Replace External O-Rings <input checked="" type="checkbox"/> Instrument Set Up Verified <input checked="" type="checkbox"/> R-Value <u>187</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP104</u> 32 mm <u>0.152</u> (.139 - .169) 36 mm <u>0.171</u> (.156 - .190) 53 mm <u>0.246</u> (.228 - .278) 103 mm <u>0.507</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>28663</u> <input checked="" type="checkbox"/> Stability Checks			Flow Column # _____ <input type="checkbox"/> 5L/min - 17mm <input type="checkbox"/> 15L/min - 53mm <input type="checkbox"/> 30L/min - 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)																																																													
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<b>Calibration Adjustment</b> By TDG _____ Barometric Pressure Gauge <u>1015</u> ID # <u>28199</u> <table border="1"><thead><tr><th>Simulator</th><th>Serial #</th><th>Lot #</th><th>Expiration</th></tr></thead><tbody><tr><td>0.000</td><td>MP4864</td><td>N/A</td><td>N/A</td></tr><tr><td>0.040</td><td>MP5098</td><td>21410</td><td>09/30/2023</td></tr><tr><td>0.100</td><td>MP5099</td><td>22310</td><td>08/11/2024</td></tr><tr><td>0.200</td><td>MP5100</td><td>22050</td><td>02/07/2024</td></tr><tr><td>0.300</td><td>MP5101</td><td>22220</td><td>06/15/2024</td></tr><tr><td>0.080 DGS</td><td>N/A</td><td>AG115904</td><td>06/08/2023</td></tr></tbody></table> <input checked="" type="checkbox"/> Post Calibration Adjustment Stability Checks <table border="1"><thead><tr><th>Simulator</th><th>Serial #</th><th>Lot #</th><th>Expiration</th></tr></thead><tbody><tr><td>0.050</td><td>MP5094</td><td>202201C</td><td>01/11/2024</td></tr><tr><td>0.080</td><td>MP5095</td><td>202201D</td><td>01/18/2024</td></tr><tr><td>0.200</td><td>MP5096</td><td>202201E</td><td>01/18/2024</td></tr><tr><td>0.080 DGS</td><td>N/A</td><td>AG223802</td><td>08/26/2024</td></tr></tbody></table>				Simulator	Serial #	Lot #	Expiration	0.000	MP4864	N/A	N/A	0.040	MP5098	21410	09/30/2023	0.100	MP5099	22310	08/11/2024	0.200	MP5100	22050	02/07/2024	0.300	MP5101	22220	06/15/2024	0.080 DGS	N/A	AG115904	06/08/2023	Simulator	Serial #	Lot #	Expiration	0.050	MP5094	202201C	01/11/2024	0.080	MP5095	202201D	01/18/2024	0.200	MP5096	202201E	01/18/2024	0.080 DGS	N/A	AG223802	08/26/2024	<b>Department Inspection</b> By TDG _____ Barometric Pressure ID# <u>26932</u> Gauge <u>1012</u> Instrument <u>1015</u> Mouth Alcohol Solution Lot # <u>2021-D</u> Acetone Stock Solution Lot # <u>2022-B</u> <table border="1"><thead><tr><th>Simulator</th><th>Serial Number</th></tr></thead><tbody><tr><td>0.000</td><td>MP5092</td></tr><tr><td>Interferent</td><td>MP5093</td></tr><tr><td>0.050</td><td>MP5094</td></tr><tr><td>0.080</td><td>MP5095</td></tr><tr><td>0.200</td><td>MP5096</td></tr></tbody></table> <b>Attachments</b> <input checked="" type="checkbox"/> Form 41 <input checked="" type="checkbox"/> Post-Stability Checks <input checked="" type="checkbox"/> Stability Checks <input type="checkbox"/> Flow Calibration <input checked="" type="checkbox"/> Calibration Certificate <input type="checkbox"/> Form 40 <input checked="" type="checkbox"/> Calibration Adjustment <input checked="" type="checkbox"/> Other <u>Form 47</u>  <input checked="" type="checkbox"/> Instrument Complies with Chapter 11D-8, FAC <input type="checkbox"/> Instrument Does Not Comply with Chapter 11D-8, FAC <input checked="" type="checkbox"/> Return to/Place into Evidentiary Use <input type="checkbox"/> Remain Out of Evidentiary Use <input checked="" type="checkbox"/> Conduct an Agency Inspection Before Evidentiary Use  Notes/Suggested Service: <u>Reattached the dry gas shelf on 4/7 prior to conducting Quality Checks. (TDG)</u>			Simulator	Serial Number	0.000	MP5092	Interferent	MP5093	0.050	MP5094	0.080	MP5095	0.200	MP5096
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				Tech Review / Date	Admin Review / Date																																																													





Florida Department of  
Law Enforcement

## REQUEST FOR REGISTRATION

MAKE AND MODEL OF INSTRUMENT: Intoxilyzer 8000

SERIAL NUMBER: 80-006221

OWNING AGENCY: Florida Highway Patrol, Troop B

DATE OF DEPARTMENT INSPECTION: 04/28/2023

AGENCY INSPECTOR: Cpl. Kari Hilliard

ADDRESS: 1350 W US Hwy 90 #101

CITY, STATE, ZIP: Lake City, FL 32055

TELEPHONE NUMBER: 904-263-3963

FAX NUMBER: n/a

EMAIL ADDRESS (if available): KariHilliard@flhsmv.gov

**For Program Office Use Only:**

- |                                     |   |
|-------------------------------------|---|
| <input type="checkbox"/>            | Registration Issued                                 |
| <input checked="" type="checkbox"/> | Instrument Added to Evidentiary Instrument Database |
| <input checked="" type="checkbox"/> | Instrument Added to Monthly Statistics Database     |
| <input checked="" type="checkbox"/> | Contact Information Added to Instrument Database    |

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006221	FHP Troop B	04/07/2023	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
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>FHP TROOP B Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006221 04/07/2023 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 09:52</p> <p>Control Test 0.050 09:53</p> <p>Air Blank 0.000 09:53</p> <p>Control Test 0.049 09:54</p> <p>Air Blank 0.000 09:55</p> <p>Control Test 0.049 09:55</p> <p>Air Blank 0.000 09:56</p> <p>Control Test Stats</p> <p>Average 0.0493</p> <p>Std Dev 0.0006</p> <p>Rel Std Dev(%) 1.1703</p>	<p>FHP TROOP B Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006221 04/07/2023 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 10:45</p> <p>Control Test 0.079 10:45</p> <p>Air Blank 0.000 10:46</p> <p>Control Test 0.079 10:47</p> <p>Air Blank 0.000 10:47</p> <p>Control Test 0.078 10:48</p> <p>Air Blank 0.000 10:48</p> <p>Control Test Stats</p> <p>Average 0.0787</p> <p>Std Dev 0.0006</p> <p>Rel Std Dev(%) 0.7339</p>	<p>FHP TROOP B Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006221 04/07/2023 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 10:18</p> <p>Control Test 0.202 10:19</p> <p>Air Blank 0.000 10:19</p> <p>Control Test 0.201 10:20</p> <p>Air Blank 0.000 10:21</p> <p>Control Test 0.201 10:21</p> <p>Air Blank 0.000 10:22</p> <p>Control Test Stats</p> <p>Average 0.2013</p> <p>Std Dev 0.0006</p> <p>Rel Std Dev(%) 0.2868</p>	<p>FHP TROOP B Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006221 04/07/2023 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 10:26</p> <p>Control Test 0.074 10:26</p> <p>Air Blank 0.000 10:27</p> <p>Control Test 0.075 10:27</p> <p>Air Blank 0.000 10:27</p> <p>Control Test 0.076 10:27</p> <p>Air Blank 0.000 10:28</p> <p>Control Test Stats</p> <p>Average 0.0750</p> <p>Std Dev 0.0010</p> <p>Rel Std Dev(%) 1.3333</p>
Operator's Signature MG	Operator's Signature MG	Operator's Signature MG	Operator's Signature MG

Comments: Will perform an optical cal adjust. MG 04/07/2023



\*\*\*\*\* AUTO CAL DATA \*\*\*\*\*

<<<< CHANNEL 1 >>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L  
 % Abs = 0.118  
 Std Dev = 0.02 Rel Std Dev = 17.51  
 Sol Val = 0.1905 mg/l or 0.040 g/210L  
 % Abs = 0.813  
 Std Dev = 0.01 Rel Std Dev = 1.77  
 Sol Val = 0.4762 mg/l or 0.100 g/210L  
 % Abs = 1.776  
 Std Dev = 0.02 Rel Std Dev = 1.12  
 Sol Val = 0.9524 mg/l or 0.200 g/210L  
 % Abs = 3.387  
 Std Dev = 0.01 Rel Std Dev = 0.21  
 Sol Val = 1.4286 mg/l or 0.300 g/210L  
 % Abs = 4.992  
 Std Dev = 0.02 Rel Std Dev = 0.46

Zero Order Coef = -375.52  
 First Order Coef = 2663.58  
 Second Order Coef = 15.11  
 Standard Deviation = 37.496834

<<<< CHANNEL 2 >>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L  
 % Abs = 0.164  
 Std Dev = 0.02 Rel Std Dev = 9.82  
 Sol Val = 0.1905 mg/l or 0.040 g/210L  
 % Abs = 1.593  
 Std Dev = 0.01 Rel Std Dev = 0.91  
 Sol Val = 0.4762 mg/l or 0.100 g/210L  
 % Abs = 3.632  
 Std Dev = 0.02 Rel Std Dev = 0.41  
 Sol Val = 0.9524 mg/l or 0.200 g/210L  
 % Abs = 6.860  
 Std Dev = 0.02 Rel Std Dev = 0.23  
 Sol Val = 1.4286 mg/l or 0.300 g/210L  
 % Abs = 9.963  
 Std Dev = 0.01 Rel Std Dev = 0.15

Zero Order Coef = -233.20  
 First Order Coef = 1332.85  
 Second Order Coef = 12.57  
 Standard Deviation = 16.963898

Optical Calibration

SN:	80-00 6221
Agency:	FHP Troop B
Date:	04/27/2023
Quadratic Fit:	+/- 0.002g/210L ✓
By:	TDG ML

<<<< CHANNEL 2 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 1.6230 (0.0030)  
 Sample #2 = 1.6030 (0.0240)  
 Sample #3 = 1.5990 (0.0280)  
 Sample #4 = 1.5760 (0.0510)  
 Avg % Abs = 1.5927 (0.0343)  
 STD DEV = 0.0146 (0.0146)  
 REL STD DEV = 0.915 (42.442)

<<<< CHANNEL 1 >>>>

Sol Value = 0.100 g/210L \*\*\*  
 Fit value = 0.4762 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12415, Sum Io = 12777

<<<< CHANNEL 1 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 1.7720 (-0.0030)  
 Sample #2 = 1.7980 (-0.0100)  
 Sample #3 = 1.7690 (0.0350)  
 Sample #4 = 1.7600 (0.0460)  
 Avg % Abs = 1.7757 (0.0237)  
 STD DEV = 0.0199 (0.0297)  
 REL STD DEV = 1.118 (125.368)

<<<< CHANNEL 2 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 3.6480 (0.0090)  
 Sample #2 = 3.6490 (0.0130)  
 Sample #3 = 3.6240 (0.0460)  
 Sample #4 = 3.6220 (0.0610)  
 Avg % Abs = 3.6317 (0.0400)  
 STD DEV = 0.0150 (0.0246)  
 REL STD DEV = 0.414 (61.390)

<<<< CHANNEL 1 >>>>

Sol Value = 0.200 g/210L \*\*\*  
 Fit value = 0.9524 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12409, Sum Io = 12772

<<<< CHANNEL 1 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 3.4990 (-0.0190)  
 Sample #2 = 3.3930 (0.0530)  
 Sample #3 = 3.3890 (0.0680)  
 Sample #4 = 3.3790 (0.0860)  
 Avg % Abs = 3.3870 (0.0690)  
 STD DEV = 0.0072 (0.0165)  
 REL STD DEV = 0.213 (23.946)

<<<< CHANNEL 2 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 0.1070 (-0.0140)  
 Sample #2 = 0.1520 (-0.0200)  
 Sample #3 = 0.1570 (-0.0150)  
 Sample #4 = 0.1820 (-0.0180)  
 Avg % Abs = 0.1637 (-0.0177)  
 STD DEV = 0.0161 (0.0025)  
 REL STD DEV = 9.820 (14.245)

<<<< CHANNEL 1 >>>>

Sol Value = 0.040 g/210L \*\*\*  
 Fit value = 0.1905 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12427, Sum Io = 12784

<<<< CHANNEL 1 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 0.8210 (-0.0170)  
 Sample #2 = 0.8290 (-0.0100)  
 Sample #3 = 0.8010 (0.0270)  
 Sample #4 = 0.8090 (0.0350)  
 Avg % Abs = 0.8130 (0.0203)  
 STD DEV = 0.0144 (0.0189)  
 REL STD DEV = 1.774 (92.967)

FHP TROOP B

Intoxilyzer - Alcotest Analyzer

SN 80-006221

10:02:19

04/27/2023

Auto Calibration

Max Power Res Value = 98

Auto Range Res Value = 69

<<<< CHANNEL 1 >>>>

Sol Value = 0.000 g/210L \*\*\*  
 Fit value = 0.0000 mg/l %%%  
 Samples Taken = 4, Discarded = 1  
 Sum Io = 12440, Sum Io = 12785

<<<< CHANNEL 1 >>>>

Sample % Abs (% Abs Ref)  
 Sample #1 = 0.0540 (0.0020)  
 Sample #2 = 0.1240 (0.0040)  
 Sample #3 = 0.0950 (0.0250)  
 Sample #4 = 0.1350 (0.0410)  
 Avg % Abs = 0.1180 (0.0233)  
 STD DEV = 0.0207 (0.0186)  
 REL STD DEV = 17.512 (79.527)

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	-0.0004
0.100	0.100	-0.0002
0.200	0.200	0.0005
0.300	0.300	-0.0002

Sol Value = 0.080 g/210L \*\*\*  
 Fit value = 0.3810 mg/l %%%  
 Samples Taken = 4, Discarded = 1

<<<< CHANNEL 1 >>>>

Sample #1 = 2809.00  
 Sample #2 = 3009.00  
 Sample #3 = 2925.00  
 Sample #4 = 2997.00  
 Average Result = 2977.0000  
 STD DEV = 45.4313  
 REL STD DEV = 1.526

<<<< CHANNEL 2 >>>>

Sample #1 = 3188.00  
 Sample #2 = 3240.00  
 Sample #3 = 3221.00  
 Sample #4 = 3251.00  
 Average Result = 3237.3333  
 STD DEV = 15.1767  
 REL STD DEV = 0.469

<<<< CHANNEL 1 >>>>

Dry Gas H2O Adjust Results \*\*\*\*\*  
 Barometric Pressure = 1015  
 3 um H2O Adjust (mg/l x 10,000) = 832  
 9 um H2O Adjust (mg/l x 10,000) = 572  
 \*\*\*\*\* AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post-G1)	80-006221	FHP Troop B	04/27/2023	TDG

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L																																																																																																																																																
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Comments:

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# Florida Department of Law Enforcement Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FHP TROOP B  
Time of Inspection: 11:45

Date of Inspection: 04/28/2023

Serial Number: 80-006221  
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#:AG223802 Exp: 08/26/2024
0.000	0.050	0.079	0.201	0.079
0.000	0.049	0.079	0.201	0.079
0.000	0.050	0.079	0.200	0.079
0.000	0.049	0.080	0.201	0.079
0.000	0.051	0.079	0.201	0.080
0.000	0.050	0.079	0.201	0.080
0.000	0.050	0.079	0.201	0.080
0.000	0.051	0.079	0.201	0.080
0.000	0.051	0.080	0.202	0.080
0.000	0.051	0.080	0.201	0.080

Standard Deviations	0.0007	0.0004	0.0004	0.0005
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 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

04/28/2023  
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 80-006221, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-006221</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>FHP TROOP B</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>04/28/2023</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>11:45</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.

  
TAYLOR D GUTSCHOW,  
Department Inspector

04/28/2023  
Date

FDLE/ATP Form 69 December 2021  
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality