



INSTRUMENT PROCESSING SHEET

Agency Palm Beach CSOS/N 80-006477Florida Department of
Law EnforcementDate In 02/07/2023 DI Completion Date 02/08/2023☐ Ship ☒ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By TDG	Quality Checks	By TDG	Date <u>02/07/2023</u>	Flow Calibration	By TDG	Date <u>02/07/2023</u>	
☒ Annual ☐ Registration ☐ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☐ Static Bag ☐ 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____		☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>188</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP104</u> 32 mm <u>0.140</u> (.139 - .169) 36 mm <u>0.152*</u> (.156 - .190) 53 mm <u>0.230</u> (.228 - .278) 103 mm <u>0.507</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>68639</u> ☒ Stability Checks			Flow Column # <u>ATP106</u> ☒ 5L/min - 17mm ☒ 15L/min - 53mm ☒ 30L/min - 103mm ☒ R-Value <u>189</u> ☒ Post Calibration Verification (L/s) Flow Column # <u>ATP104</u> 32 mm <u>0.144</u> (.139 - .169) 36 mm <u>0.160</u> (.156 - .190) 53 mm <u>0.234</u> (.228 - .278) 103 mm <u>0.503</u> (.447 - .547)			
					Maintenance By _____ ☐ Battery Replacement ☐ Dry Gas Regulator Replacement ☐ Breath Tube Replacement ☐ Other _____ _____ _____ _____ _____			

Calibration Adjustment	By TDG	Department Inspection	By TDG																																																												
Barometric Pressure Gauge <u>1025</u> ID # <u>28199</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #</th> <th>Expiration</th> </tr> </thead> <tbody> <tr><td>0.000</td><td>MP5099</td><td>N/A</td><td>N/A</td></tr> <tr><td>0.040</td><td>MP5096</td><td>21410</td><td>09/30/2023</td></tr> <tr><td>0.100</td><td>MP5098</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> ☒ Post Calibration Adjustment Stability Checks <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #</th> <th>Expiration</th> </tr> </thead> <tbody> <tr><td>0.050</td><td>MP5092</td><td>202201C</td><td>01/11/2024</td></tr> <tr><td>0.080</td><td>MP5093</td><td>202201D</td><td>01/18/2024</td></tr> <tr><td>0.200</td><td>MP5094</td><td>202201E</td><td>01/18/2024</td></tr> <tr><td>0.080 DGS</td><td>N/A</td><td>AG222203</td><td>08/10/2024</td></tr> </tbody> </table>	Simulator	Serial #	Lot #	Expiration	0.000	MP5099	N/A	N/A	0.040	MP5096	21410	09/30/2023	0.100	MP5098	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	MP5092	202201C	01/11/2024	0.080	MP5093	202201D	01/18/2024	0.200	MP5094	202201E	01/18/2024	0.080 DGS	N/A	AG222203	08/10/2024		Barometric Pressure ID# <u>28663</u> Gauge <u>1024</u> Instrument <u>1024</u> Mouth Alcohol Solution Lot # <u>2021-D</u> Acetone Stock Solution Lot # <u>2021-C</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr><td>0.000</td><td>MP5095</td></tr> <tr><td>Interferent</td><td>MP5097</td></tr> <tr><td>0.050</td><td>MP5092</td></tr> <tr><td>0.080</td><td>MP5093</td></tr> <tr><td>0.200</td><td>MP5094</td></tr> </tbody> </table>	Simulator	Serial Number	0.000	MP5095	Interferent	MP5097	0.050	MP5092	0.080	MP5093	0.200	MP5094	
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Attachments ☒ Form 41 ☒ Stability Checks ☒ Calibration Certificate ☒ Calibration Adjustment		☒ Post-Stability Checks ☒ Flow Calibration ☐ Form 40 ☐ Other _____																																																													

Notes/Suggested Service: *Flow value outside the nominal range. Conducted a flow calibration. (TDG)

 Tech Review: Colored in three boxes about evidentiary use and compliance on the IPS. (TDG 02/08/2023)

TDG 02/08/2023
 Israel Soto
 Tech Review / Date

08
 15:42:43
 Admin Review / Date

80-00 6477

Flow Cal

2/7/2023

MG

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006477
02/07/2023
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff) = 7.480

2: Rate (Liters/min) = 15

SQRT(Diff) = 12.121

3: Rate (Liters/min) = 30

SQRT(Diff) = 20.758

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 728

Rounded Intercept = -841523

Correlation = 0.99837

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006477	Palm Beach CSO	02/07/2023	TDG <i>MG</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
✓	✓	✓	✓
PALM BEACH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 02/07/2023 Software: 8100.27 SN 80-006477 Test g/210L Time Air Blank 0.000 09:49 Control Test 0.049 09:50 Air Blank 0.000 09:50 Control Test 0.049 09:51 Air Blank 0.000 09:52 Control Test 0.048 09:52 Air Blank 0.000 09:53 Control Test Stats Average 0.0487 Std Dev 0.0006 Rel Std Dev(%) 1.1863 Operator's Signature <i>MG</i>	PALM BEACH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 02/07/2023 Software: 8100.27 SN 80-006477 Test g/210L Time Air Blank 0.000 09:56 Control Test 0.078 09:57 Air Blank 0.000 09:57 Control Test 0.077 09:58 Air Blank 0.000 09:58 Control Test 0.078 09:59 Air Blank 0.000 10:00 Control Test Stats Average 0.0777 Std Dev 0.0006 Rel Std Dev(%) 0.7434 Operator's Signature <i>MG</i>	PALM BEACH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 02/07/2023 Software: 8100.27 SN 80-006477 Test g/210L Time Air Blank 0.000 10:03 Control Test 0.203 10:04 Air Blank 0.000 10:04 Control Test 0.201 10:05 Air Blank 0.000 10:05 Control Test 0.201 10:06 Air Blank 0.000 10:07 Control Test Stats Average 0.2017 Std Dev 0.0012 Rel Std Dev(%) 0.5726 Operator's Signature <i>MG</i>	<i>OBS</i> PALM BEACH CO SO Intoxilyzer - Alcohol Analyzer Model 8000 02/07/2023 Software: 8100.27 SN 80-006477 Test g/210L Time Air Blank 0.000 09:38 Control Test 0.080 09:38 Air Blank 0.000 09:39 Control Test 0.081 09:39 Air Blank 0.000 09:40 Control Test 0.082 09:40 Air Blank 0.000 09:40 Control Test Stats Average 0.0813 Std Dev 0.0013 Rel Std Dev(%) 1.2346 Operator's Signature <i>MG</i>

Comments: Will perform an optical cal adjust to bring the 0.08 AFS and 0.05 into a more nominal agreement. *MG* 2/17/2023

PALM BEACH CO SO

Intoxilyzer - Alcohol Analyzer

Model: 8000
02/06/2023

SN 80-006477
09:39:21

Auto Calibration

Max Power Res Value = 98

Auto Range Res Value = 67

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5240 (-0.0040)
Sample #2 = 1.5270 (0.0010)
Sample #3 = 1.5310 (-0.0030)
Sample #4 = 1.5350 (0.0010)
Avg % Abs = 1.5310 (-0.0003)
STD DEV = 0.0040 (0.0023)
REL STD DEV = 0.261 (692.820)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12544, Sum Io = 12628

<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.8210 (-0.0040)
Sample #2 = 1.8110 (0.0080)
Sample #3 = 1.8270 (-0.0080)
Sample #4 = 1.8590 (-0.0020)
Avg % Abs = 1.8323 (-0.0007)
STD DEV = 0.0244 (0.0081)
REL STD DEV = 1.334 (1212.435)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.5380 (0.0010)
Sample #2 = 3.5660 (0.0050)
Sample #3 = 3.5400 (0.0070)
Sample #4 = 3.5640 (-0.0010)
Avg % Abs = 3.5567 (0.0037)
STD DEV = 0.0145 (0.0042)
REL STD DEV = 0.407 (113.545)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12541, Sum Io = 12625

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

Sample % Abs (% Abs Ref)
Sample #1 = 3.5160 (-0.0060)
Sample #2 = 3.5400 (0.0000)
Sample #3 = 3.4970 (0.0160)
Sample #4 = 3.4980 (0.0280)
Avg % Abs = 3.5083 (0.0147)
STD DEV = 0.0278 (0.0140)
REL STD DEV = 0.792 (95.779)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1920 (-0.0100)
Sample #2 = 0.1430 (0.0200)
Sample #3 = 0.1530 (-0.0010)
Sample #4 = 0.1700 (0.0120)
Avg % Abs = 0.1553 (0.0103)
STD DEV = 0.0137 (0.0106)
REL STD DEV = 8.788 (102.566)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12548, Sum Io = 12630

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

Sample % Abs (% Abs Ref)
Sample #1 = 0.7760 (-0.0060)
Sample #2 = 0.8190 (-0.0230)
Sample #3 = 0.7830 (-0.0020)
Sample #4 = 0.8460 (-0.0180)
Avg % Abs = 0.8160 (-0.0143)
STD DEV = 0.0316 (0.0110)
REL STD DEV = 3.873 (76.532)

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

<<<<< CHANNEL 1 >>>>>
Sol Val = 0.3000 mg/l or 0.000 g/210L
% Abs = 0.110
Std Dev = 0.03 Rel Std Dev = 24.41
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.816
Std Dev = 0.03 Rel Std Dev = 3.87
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.832
Std Dev = 0.02 Rel Std Dev = 1.33
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.508
Std Dev = 0.03 Rel Std Dev = 0.79
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.142
Std Dev = 0.03 Rel Std Dev = 0.56
Zero Order Coef = -310.71
First Order Coef = 2722.48
Second Order Coef = 22.71
Standard Deviation = 12.937116

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.155
Std Dev = 0.01 Rel Std Dev = 8.79
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.531
Std Dev = 0.00 Rel Std Dev = 0.26
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.557
Std Dev = 0.01 Rel Std Dev = 0.41
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.745
Std Dev = 0.00 Rel Std Dev = 0.03
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.770
Std Dev = 0.02 Rel Std Dev = 0.21
Zero Order Coef = -205.30
First Order Coef = 1350.42
Second Order Coef = 13.59
Standard Deviation = 7.139695

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1 *****
Sample #1 = 3163.00
Sample #2 = 3092.00
Sample #3 = 3111.00
Sample #4 = 3203.00
Average Result = 3135.3333
STD DEV = 59.3661
REL STD DEV = 1.8933

***** CHANNEL 2 *****
Sample #1 = 3323.00
Sample #2 = 3283.00
Sample #3 = 3274.00
Sample #4 = 3337.00
Average Result = 3298.0000
STD DEV = 34.0734
REL STD DEV = 1.033

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1025
3 um H2O Adjust (mg/l*10,000) = 674
9 um H2O Adjust (mg/l*10,000) = 511
***** AUTO CAL PASS

Optical Calibration

SN:	80-006477
Agency:	Palm Beach CSD
Date:	02/06/2023
Quadratic Fit:	+/- 0.002g/210L ✓
By:	TDG ML

Solution Stats Quadratic Fit Chan 1
Act Fit Residual
g/210L g/210L g/210L
0.000 -0.000 0.0002
0.040 0.040 -0.0004
0.100 0.100 0.0002
0.200 0.200 0.0001
0.300 -0.0000

Solution Stats Quadratic Fit Chan 2
Act Fit Residual
g/210L g/210L g/210L
0.000 -0.000 0.0002
0.040 0.040 -0.0004
0.100 0.100 0.0002
0.200 0.200 0.0001
0.300 -0.0000

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post-Cal)	80-006477	Palm Beach CSO	02/08/2023	TDG ML

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
✓	✓	✓	✓

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000
02/08/2023
Software: 8100.27

Test g/210L Time

Air Blank 0.000 10:39

Control Test 0.049 10:39

Air Blank 0.000 10:40

Control Test 0.049 10:41

Air Blank 0.000 10:41

Control Test 0.049 10:42

Air Blank 0.000 10:42

Control Test Stats

Average 0.0490

Std Dev 0.0000

Rel Std Dev(%) 0.0000

ML
Operator's Signature

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000
02/08/2023
Software: 8100.27

Test g/210L Time

Air Blank 0.000 10:39

Control Test 0.077 10:40

Air Blank 0.000 10:41

Control Test 0.078 10:42

Air Blank 0.000 10:42

Control Test 0.077 10:51

Air Blank 0.000 10:51

Control Test Stats

Average 0.0773

Std Dev 0.0006

Rel Std Dev(%) 0.7466

ML
Operator's Signature

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000
02/08/2023
Software: 8100.27

Test g/210L Time

Air Blank 0.000 10:48

Control Test 0.197 10:49

Air Blank 0.000 10:50

Control Test 0.197 10:51

Air Blank 0.000 10:51

Control Test 0.198 10:58

Air Blank 0.000 10:59

Control Test Stats

Average 0.1973

Std Dev 0.0006

Rel Std Dev(%) 0.2926

ML
Operator's Signature

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000
02/08/2023
Software: 8100.27

Test g/210L Time

Air Blank 0.000 10:44

Control Test 0.080 10:44

Air Blank 0.000 10:44

Control Test 0.080 10:45

Air Blank 0.000 10:45

Control Test 0.080 10:46

Air Blank 0.000 10:46

Control Test Stats

Average 0.0800

Std Dev 0.0000

Rel Std Dev(%) 0.0000

ML
Operator's Signature

065

Comments:

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PALM BEACH CO SO
Time of Inspection: 14:24

Date of Inspection: 02/08/2023

Serial Number: 80-006477
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#:AG222203 Exp: 08/10/2024
0.000	0.049	0.076	0.198	0.081
0.000	0.049	0.076	0.197	0.081
0.000	0.048	0.076	0.197	0.081
0.000	0.049	0.076	0.197	0.080
0.000	0.048	0.076	0.197	0.080
0.000	0.048	0.076	0.198	0.081
0.000	0.048	0.076	0.198	0.081
0.000	0.048	0.076	0.198	0.080
0.000	0.049	0.077	0.198	0.081
0.000	0.048	0.076	0.198	0.080

Standard Deviations	0.0005	0.0003	0.0005	0.0005
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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.

Taylor D Gutschow TAYLOR D GUTSCHOW
Signature and Printed Name

02/08/2023
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 80-006477, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006477	UNCERTAINTY* $\pm$
Owning Agency:	PALM BEACH CO SO	0.050 g/ 210 L 0.004
Calibration Date:	02/08/2023	0.080 g/ 210 L 0.004
Calibration Time:	14:24	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.

02/08/2023

Date



TAYLOR D GUTSCHOW,

Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality