

80-006239
Flow Calibration
11/13/2022 TMG

#1

During Post-Cal Verification, the flow rate at 32 mm was still below nominal. Will repeat the flow calibration.

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006239
01/13/2022
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff) = 7.000
2: Rate (Liters/min) = 15
SQRT(Diff) = 11.398
3: Rate (Liters/min) = 30
SQRT(Diff) = 20.270
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 725
Rounded Intercept = -725670
Correlation = 0.99702

#2

During Post-Cal Verification, all flow rates were within the nominal range.

PALM BEACH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006239
01/13/2022
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff) = 7.414
2: Rate (Liters/min) = 15
SQRT(Diff) = 11.746
3: Rate (Liters/min) = 30
SQRT(Diff) = 20.441
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 739
Rounded Intercept = -829780
Correlation = 0.99711

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006239	Palm Beach CSO	01/13/2022	TDG <i>ML</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 - Alcotest Analyzer Model: 8000 SN 80-006239 01/13/2022 Software: 8100.27 TestTime <table><tr><td>Air Blank</td><td>0.000</td><td>09:57</td></tr><tr><td>Control Test</td><td>0.049</td><td>09:58</td></tr><tr><td>Air Blank</td><td>0.000</td><td>09:58</td></tr><tr><td>Control Test</td><td>0.048</td><td>09:59</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:00</td></tr><tr><td>Control Test</td><td>0.048</td><td>10:00</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:01</td></tr><tr><td>Control Test Status</td><td></td><td></td></tr><tr><td>Average</td><td>0.0483</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>1.1945</td><td></td></tr></table>	Air Blank	0.000	09:57	Control Test	0.049	09:58	Air Blank	0.000	09:58	Control Test	0.048	09:59	Air Blank	0.000	10:00	Control Test	0.048	10:00	Air Blank	0.000	10:01	Control Test Status			Average	0.0483		Std Dev	0.0006		Rel Std Dev(%)	1.1945		PALM BEACH CO SO Intoxilyzer - Alcotest Analyzer Model: 8000 SN 80-006239 01/13/2022 Software: 8100.27 TestTime <table><tr><td>Air Blank</td><td>0.000</td><td>10:04</td></tr><tr><td>Control Test</td><td>0.078</td><td>10:05</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:05</td></tr><tr><td>Control Test</td><td>0.078</td><td>10:06</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:07</td></tr><tr><td>Control Test</td><td>0.079</td><td>10:08</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:08</td></tr><tr><td>Control Test Status</td><td></td><td></td></tr><tr><td>Average</td><td>0.0783</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>0.7370</td><td></td></tr></table>	Air Blank	0.000	10:04	Control Test	0.078	10:05	Air Blank	0.000	10:05	Control Test	0.078	10:06	Air Blank	0.000	10:07	Control Test	0.079	10:08	Air Blank	0.000	10:08	Control Test Status			Average	0.0783		Std Dev	0.0006		Rel Std Dev(%)	0.7370		PALM BEACH CO SO Intoxilyzer - Alcotest Analyzer Model: 8000 SN 80-006239 01/13/2022 Software: 8100.27 TestTime <table><tr><td>Air Blank</td><td>0.000</td><td>10:19</td></tr><tr><td>Control Test</td><td>0.198</td><td>10:19</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:20</td></tr><tr><td>Control Test</td><td>0.198</td><td>10:20</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:21</td></tr><tr><td>Control Test</td><td>0.199</td><td>10:22</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:22</td></tr><tr><td>Control Test Status</td><td></td><td></td></tr><tr><td>Average</td><td>0.1983</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>0.2911</td><td></td></tr></table>	Air Blank	0.000	10:19	Control Test	0.198	10:19	Air Blank	0.000	10:20	Control Test	0.198	10:20	Air Blank	0.000	10:21	Control Test	0.199	10:22	Air Blank	0.000	10:22	Control Test Status			Average	0.1983		Std Dev	0.0006		Rel Std Dev(%)	0.2911		PALM BEACH CO SO Intoxilyzer - Alcotest Analyzer Model: 8000 SN 80-006239 01/13/2022 Software: 8100.27 TestTime <table><tr><td>Air Blank</td><td>0.000</td><td>10:24</td></tr><tr><td>Control Test</td><td>0.080</td><td>10:25</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:25</td></tr><tr><td>Control Test</td><td>0.080</td><td>10:26</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:26</td></tr><tr><td>Control Test</td><td>0.079</td><td>10:26</td></tr><tr><td>Air Blank</td><td>0.000</td><td>10:27</td></tr><tr><td>Control Test Status</td><td></td><td></td></tr><tr><td>Average</td><td>0.0797</td><td></td></tr><tr><td>Std Dev</td><td>0.0006</td><td></td></tr><tr><td>Rel Std Dev(%)</td><td>0.7247</td><td></td></tr></table>	Air Blank	0.000	10:24	Control Test	0.080	10:25	Air Blank	0.000	10:25	Control Test	0.080	10:26	Air Blank	0.000	10:26	Control Test	0.079	10:26	Air Blank	0.000	10:27	Control Test Status			Average	0.0797		Std Dev	0.0006		Rel Std Dev(%)	0.7247	
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Comments:

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PALM BEACH CO SO
Time of Inspection: 13:00

Date of Inspection: 01/13/2022

Serial Number: 80-006239
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#:202010A Exp: 10/05/2022	0.08g/210L Test (g/210L) Lot#:202010B Exp: 10/05/2022	0.20g/210L Test (g/210L) Lot#:202010D Exp: 10/06/2022	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG115904 Exp: 06/08/2023
0.000	0.049	0.078	0.198	0.080
0.000	0.049	0.078	0.198	0.080
0.000	0.049	0.077	0.197	0.080
0.000	0.048	0.077	0.197	0.079
0.000	0.048	0.077	0.197	0.079
0.000	0.048	0.077	0.198	0.080
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0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.077	0.198	0.079
0.000	0.049	0.077	0.198	0.079

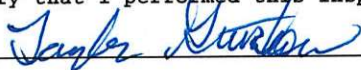
Standard Deviations	0.0004	0.0004	0.0004	0.0005
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 Number of Simulators Used: 5

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

Signature and Printed Name

01/13/2022
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 80-006239, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-006239</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>PALM BEACH CO SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>01/13/2022</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>13:00</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.



01/13/2022

Date

TAYLOR D GUTSCHOW,

Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality