

80-006169

Flow Cals

01/26/2023

MG

#1

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
01/26/2023
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff) = 5.566

2: Rate (Liters/min) = 15

SQRT(Diff) = 11.266

3: Rate (Liters/min) = 30

SQRT(Diff) = 20.973

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 631

Rounded Intercept = -367781

Correlation = 0.99942

Flow cal #1 was inadvertently calibrated at 12 mm instead of 17 mm for the 5 L/min flow rate. Did not perform a post-calibration verification and immediately repeated the flow calibration (see flow cal #2 below)

MG 01/26/2023

#2

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006169
01/26/2023
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff) = 5.914

2: Rate (Liters/min) = 15

SQRT(Diff) = 11.133

3: Rate (Liters/min) = 30

SQRT(Diff) = 20.973

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 642

Rounded Intercept = -415009

Correlation = 0.99818

Flow cal #2 was successful, as was the post-calibration verification

MG 01/26/2023

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-00 6169	Martin CSO	01/26/2023	TDG <i>786</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 ≤0.003 of Wet
MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006169 01/26/2023 Software: 8100.27	MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006169 01/26/2023 Software: 8100.27	MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006169 01/26/2023 Software: 8100.27	DGS MARTIN COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-006169 01/26/2023 Software: 8100.27
Test g/210L Time	Test g/210L Time	Test g/210L Time	Test g/210L Time
Air Blank 0.000 10:47	Air Blank 0.000 10:54	Air Blank 0.000 11:01	Air Blank 0.000 10:39
Control Test 0.050 10:48	Control Test 0.079 10:55	Control Test 0.200 11:02	Control Test 0.080 10:39
Air Blank 0.000 10:48	Air Blank 0.000 10:56	Air Blank 0.000 11:02	Air Blank 0.000 10:40
Control Test 0.049 10:49	Control Test 0.079 10:56	Control Test 0.198 11:03	Control Test 0.080 10:40
Air Blank 0.000 10:49	Air Blank 0.000 10:57	Air Blank 0.000 11:04	Air Blank 0.000 10:41
Control Test 0.049 10:50	Control Test 0.079 10:58	Control Test 0.199 11:04	Control Test 0.081 10:41
Air Blank 0.000 10:51	Air Blank 0.000 10:58	Air Blank 0.000 11:05	Air Blank 0.000 10:41
Control Test Stats	Control Test Stats	Control Test Stats	Control Test Stats
Average 0.0493	Average 0.0790	Average 0.1990	Average 0.0803
Std Dev 0.0006	Std Dev 0.0000	Std Dev 0.0010	Std Dev 0.0006
Rel Std Dev(%) 1.1703	Rel Std Dev(%) 0.0000	Rel Std Dev(%) 0.5025	Rel Std Dev(%) 0.7187
Operator's Signature	Operator's Signature	Operator's Signature	Operator's Signature

Comments:

Florida Department of Law Enforcement

Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MARTIN COUNTY SO
Time of Inspection: 14:12

Date of Inspection: 01/26/2023

Serial Number: 80-006169
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#:00521080A2 Exp: 02/05/2023
0.000	0.048	0.079	0.197	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.049	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.049	0.079	0.198	0.079
0.000	0.049	0.079	0.199	0.079
0.000	0.048	0.079	0.199	0.079
0.000	0.049	0.079	0.198	0.079
0.000	0.049	0.079	0.199	0.079

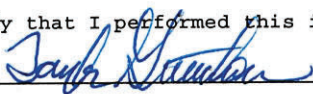
Standard Deviations	0.0005	0.0000	0.0006	0.0004
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 Number of Simulators Used: 5

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

01/26/2023
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 80-006169, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-006169</u>	UNCERTAINTY* \pm	
Owning Agency:	<u>MARTIN COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>01/26/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>14:12</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 ± 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.

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01/26/2023

Date

TAYLOR D GUTSCHOW,
Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

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