



Agency Nassau County SO

S/N 80-001053

Date In 12-1-23

DI Completion Date 12/7/2023

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By ALL	Quality Checks	By BS	Date 12/4/2023	Flow Calibration	By	Date															
☒ 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>192</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP103</u> 32 mm <u>0.156</u> (.139 - .169) 36 mm <u>0.175</u> (.156 - .190) 53 mm <u>0.242</u> (.228 - .278) 103 mm <u>0.511</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>28427</u> ☒ Stability Checks			Flow Column # _____ ☐ 5L/min – 17mm ☐ 15L/min – 53mm ☐ 30L/min – 103mm ☐ R-Value _____ ☐ Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)																	
		<table border="1"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td>MP5088</td> <td>202303K 3/29/2025</td> </tr> <tr> <td>0.080</td> <td>MP5089</td> <td>202303L 3/29/2025</td> </tr> <tr> <td>0.200</td> <td>MP5090</td> <td>202304C 4/5/2025</td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td>AG325603 9/13/2025</td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	MP5088	202303K 3/29/2025	0.080	MP5089	202303L 3/29/2025	0.200	MP5090	202304C 4/5/2025	0.080 DGS	N/A	AG325603 9/13/2025			Maintenance By BS ☐ Battery Replacement ☐ Dry Gas Regulator Replacement ☐ Breath Tube Replacement ☒ Other <u>Refilled internal printer paper on 12/5/2023</u> _____ _____ _____ _____ _____		
Simulator	Serial #	Lot #/Exp																				
0.050	MP5088	202303K 3/29/2025																				
0.080	MP5089	202303L 3/29/2025																				
0.200	MP5090	202304C 4/5/2025																				
0.080 DGS	N/A	AG325603 9/13/2025																				

Calibration Adjustment				By <u>BS</u>	
Barometric Pressure Gauge <u>1017</u>		ID # <u>28421</u>			
Simulator	Serial #	Lot #	Expiration		
0.000	MP6294	N/A	N/A		
0.040	MP6295	22460	12/28/2024		
0.100	MP6296	22430	11/30/2024		
0.200	MP6297	22400	10/12/2024		
0.300	MP6298	23070	3/6/2025		
0.080 DGS	N/A	06723080A5	4/5/2025		
☒ Post Calibration Adjustment Stability Checks					
Simulator	Serial #	Lot #	Expiration		
0.050	MP6291	202303K	3/29/2025		
0.080	MP6292	202303L	3/29/2025		
0.200	MP6293	202304C	4/5/2025		
0.080 DGS	N/A	AG325603	9/13/2025		
Notes/Suggested Service: <u>In quality check of barometric pressure, instrument displayed 1000, with gauge displaying 1013. 1.28% difference needs calibration adjustment. Internal printer ran out of paper before calibration adjustment and did not print header on auto calibration printout. (BS 12/5/2023)</u>					
Israel Soto Digitally signed by Israel Soto Date: 2023.12.11 08:09:33 -05'00' Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.12.13 09:52:06 -05'00'					

Stability Checks

NASSAU COUNTY SC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/04/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:10
Control Test	0.049	10:11
Air Blank	0.000	10:11
Control Test	0.048	10:12
Air Blank	0.000	10:13
Control Test	0.049	10:13
Air Blank	0.000	10:14
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

Benjamin Sibley
Operator's Signature

NASSAU COUNTY SC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/04/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:23
Control Test	0.079	10:23
Air Blank	0.000	10:24
Control Test	0.078	10:24
Air Blank	0.000	10:25
Control Test	0.079	10:26
Air Blank	0.000	10:26
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Benjamin Sibley
Operator's Signature

NASSAU COUNTY SC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/04/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:28
Control Test	0.198	10:28
Air Blank	0.000	10:29
Control Test	0.197	10:30
Air Blank	0.000	10:30
Control Test	0.199	10:31
Air Blank	0.000	10:31
Control Test Stats		
Average	0.1980	
Std Dev	0.0010	
Rel Std Dev(%)	0.5051	

Benjamin Sibley
Operator's Signature

NASSAU COUNTY SC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/04/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:34
Control Test	0.079	10:34
Air Blank	0.000	10:35
Control Test	0.079	10:35
Air Blank	0.000	10:36
Control Test	0.080	10:36
Air Blank	0.000	10:36
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

Benjamin Sibley
Operator's Signature

Optical Bench Calibration Adjustment

NASSAU COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000
12/5/2023 10:00

Auto Calibration

Max Power Res Value = 30
Auto Range Res Value = 27

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5750 (0.0000)
Sample #2 = 1.5820 (0.0000)
Sample #3 = 1.5770 (0.0050)
Sample #4 = 1.5950 (-0.0160)
Avg % Abs = 1.5847 (-0.0037)
STD DEV = 0.0093 (0.0110)
REL STD DEV = 0.586 (299.172)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12675, Sum Io = 13140

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 2.0380 (-0.0110)
Sample #2 = 2.0340 (0.0090)
Sample #3 = 2.0470 (0.0010)
Sample #4 = 1.9980 (0.0260)
Avg % Abs = 2.0263 (0.0120)
STD DEV = 0.0254 (0.0128)
REL STD DEV = 1.253 (106.393)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.7700 (0.0120)
Sample #2 = 3.7610 (0.0060)
Sample #3 = 3.7460 (0.0180)
Sample #4 = 3.7180 (0.0330)
Avg % Abs = 3.7417 (0.0190)
STD DEV = 0.0218 (0.0135)
REL STD DEV = 0.583 (71.199)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12676, Sum Io = 13138

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.8780 (-0.0160)
Sample #2 = 3.8380 (0.0350)
Sample #3 = 3.8930 (0.0120)
Sample #4 = 3.8500 (0.0230)
Avg % Abs = 3.8603 (0.0233)
STD DEV = 0.0289 (0.0115)
REL STD DEV = 0.749 (49.301)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 7.1520 (0.0020)
Sample #2 = 7.1120 (0.0340)
Sample #3 = 7.1690 (0.0880)
Sample #4 = 7.1240 (0.0200)
Avg % Abs = 7.1350 (0.0207)
STD DEV = 0.0301 (0.0130)
REL STD DEV = 0.421 (62.965)

Sol Value = 0.300 g/210L ***
Fit Value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12673, Sum Io = 13137

<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 5.6340 (0.0008)
Sample #2 = 5.6060 (0.0370)
Sample #3 = 5.6540 (0.0210)
Sample #4 = 5.6070 (0.0420)
Avg % Abs = 5.6223 (0.0333)
STD DEV = 0.0274 (0.0110)
REL STD DEV = 0.488 (32.909)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 10.3990 (-0.0170)
Sample #2 = 10.3250 (0.0570)
Sample #3 = 10.3650 (0.0320)
Sample #4 = 10.3180 (0.0570)
Avg % Abs = 10.3560 (0.0487)
STD DEV = 0.0254 (0.0144)
REL STD DEV = 0.245 (29.658)

***** AUTO CAL DATA *****
<<<< CHANNEL 1 >>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.070
Std Dev = 0.02 Rel Std Dev = 21.86
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.867
Std Dev = 0.01 Rel Std Dev = 1.22
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 2.026
Std Dev = 0.03 Rel Std Dev = 1.25
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.860
Std Dev = 0.03 Rel Std Dev = 0.75
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.622
Std Dev = 0.03 Rel Std Dev = 0.49
Zero Order Coef = -172.52
First Order Coef = 2366.95
Second Order Coef = 36.55
Standard Deviation = 10.223396

<<<< CHANNEL 2 >>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.079
Std Dev = 0.01 Rel Std Dev = 8.30
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.585
Std Dev = 0.01 Rel Std Dev = 0.59
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.742
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.135
Std Dev = 0.03 Rel Std Dev = 0.42
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.336
Std Dev = 0.03 Rel Std Dev = 0.25
Zero Order Coef = -104.21
First Order Coef = 1249.88
Second Order Coef = 13.79
Standard Deviation = 6.128978

Solution Stats Quadratic Fit Chan 1
Act Fit Residual
g/210L g/210L g/210L
0.000 -0.000 0.0001
0.040 0.040 -0.0001
0.100 0.100 -0.0002
0.200 0.200 0.0003
0.300 0.300 -0.0001

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

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

***** CHANNEL 1 *****
Sample #1 = 3258.00
Sample #2 = 3247.00
Sample #3 = 3266.00
Sample #4 = 3264.00
Average Result = 3259.0000
STD DEV = 10.4403
REL STD DEV = 0.320
***** CHANNEL 2 *****
Sample #1 = 3509.00
Sample #2 = 3498.00
Sample #3 = 3508.00
Sample #4 = 3489.00
Average Result = 3495.0000
STD DEV = 11.2694
REL STD DEV = 0.322

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1016
3 um H2O Adjust (mg/l*10,000) = 550
9 um H2O Adjust (mg/l*10,000) = 314
***** AUTO CAL PASS

Benjamin Sollog

Post Calibration Adjustment Stability Checks

NASSAU COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:02
Control Test	0.050	08:03
Air Blank	0.000	08:03
Control Test	0.049	08:04
Air Blank	0.000	08:04
Control Test	0.050	08:05
Air Blank	0.000	08:06
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

Benjamin Siddle
Operator's Signature

NASSAU COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:10
Control Test	0.079	08:10
Air Blank	0.000	08:11
Control Test	0.079	08:12
Air Blank	0.000	08:12
Control Test	0.079	08:13
Air Blank	0.000	08:13
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Benjamin Siddle
Operator's Signature

NASSAU COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:19
Control Test	0.197	08:20
Air Blank	0.000	08:20
Control Test	0.197	08:21
Air Blank	0.000	08:22
Control Test	0.197	08:22
Air Blank	0.000	08:23
Control Test Stats		
Average	0.1970	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Benjamin Siddle
Operator's Signature

NASSAU COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001053
12/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:27
Control Test	0.077	08:27
Air Blank	0.000	08:27
Control Test	0.078	08:28
Air Blank	0.000	08:28
Control Test	0.077	08:29
Air Blank	0.000	08:29
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

DGS

Benjamin Siddle
Operator's Signature

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: NASSAU COUNTY SO
Time of Inspection: 13:47

Date of Inspection: 12/07/2023

Serial Number: 80-001053
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#:AG325603 Exp: 09/13/2025
0.000	0.050	0.077	0.196	0.079
0.000	0.049	0.078	0.196	0.080
0.000	0.049	0.077	0.196	0.080
0.000	0.049	0.077	0.197	0.080
0.000	0.050	0.077	0.196	0.080
0.000	0.049	0.077	0.197	0.079
0.000	0.050	0.077	0.197	0.080
0.000	0.050	0.077	0.197	0.079
0.000	0.050	0.078	0.197	0.079
0.000	0.049	0.078	0.197	0.079

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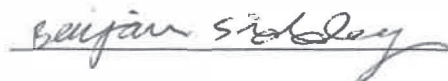
Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 Number of Simulators Used: 5

Remarks:

A F / M A: No Sample Provided. Repeated test and gave sample.

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.



BENJAMIN W SIDDOWAY

Signature and Printed Name

12/07/2023
Date



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2331 Phillips Road.
Suite B1032
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001053, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001053</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>NASSAU COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>12/07/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>13:47</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. 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.

Benjamin Siddoway
Digitally signed by Benjamin Siddoway
Date: 2023.12.07 15:16:23 -05'00'

12/07/2023

Date

BENJAMIN W SIDDOWAY,
Department Inspector

FDLE/ATP Form 69 March 2022
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality