



Agency Hillsborough County SO

S/N 80-007479

Date In 05/14/2024 DI Completion Date 7/2/2024

☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Calibration Adjustment

By SP

■ Post Calibration Adjustment Stability Checks

Notes/Suggested Service: Bypassed AI to operate instrument. First 0.200g/210L stability check values outside of nominal range -- simulator was chipped and leaking. Replaced simulator bottom and re-ran stabilities. I accidentally plugged flow column into breath hose during second run of 0.200g/210L stability check which caused purge fail -- ran a third set of analyses. No 0.003 agreement between DGS and wet bath. Cal. Adjust needed. DA 7/1/24

Department Inspection

By SP

Attachments

- ☒ Instrument Complies with Chapter 11D-8, FAC
- ☐ Instrument Does Not Comply with Chapter 11D-8, FAC
- ☒ Return to/Place into Evidentiary Use
- ☐ Remain Out of Evidentiary Use
- ☒ Conduct an Agency Inspection Before Evidentiary Use

Taylor Gutschow	Digitally signed by Taylor Gutschow Date: 2024.07.09 14:32:22 -0400'	Phil Nicodemo	Digitally signed by Phil Nicodemo Date: 2024.07.12 11:18:07 -0400'
Tech Review / Date		Admin Review / Date	

** EXP FOR .200 LOT NUMBER ON POST CAL STABILITY CHECKS IS 4/5/25 -SP 7/9/24

Stability Checks 80-007479 7/1/24 DA

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007479
07/01/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:30
Control Test	0.048	12:30
Air Blank	0.000	12:31
Control Test	0.048	12:31
Air Blank	0.000	12:32
Control Test	0.049	12:33
Air Blank	0.000	12:33
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	



Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007479
07/01/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:36
Control Test	0.078	12:37
Air Blank	0.000	12:38
Control Test	0.078	12:38
Air Blank	0.000	12:39
Control Test	0.078	12:40
Air Blank	0.000	12:40
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	



Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007479
07/01/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:41
Control Test	0.194	12:42
Air Blank	0.000	12:42
Control Test	0.192	12:43
Air Blank	0.000	12:44
Control Test	0.192	12:44
Air Blank	0.000	12:45
Control Test Stats		
Average	0.1927	
Std Dev	0.0012	
Rel Std Dev(%)	0.5993	

chipped simulator



Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007479
07/01/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:00
Control Test	0.195	13:00
Air Blank	0.000	13:01
Control Test	0.195	13:02
Air Blank	0.000	13:02
Control Test	0.196	13:03
Air Blank	PUR*	13:04
Air Blank	0.000	13:04

*Purge Fail

connected instrument
breath hose to flow
column → purge fail.



Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007479
07/01/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:05
Control Test	0.196	13:06
Air Blank	0.000	13:06
Control Test	0.195	13:07
Air Blank	0.000	13:08
Control Test	0.196	13:08
Air Blank	0.000	13:09
Control Test Stats		
Average	0.1957	
Std Dev	0.0006	
Rel Std Dev(%)	0.2951	



Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007479
07/01/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:11
Control Test	0.082	13:11
Air Blank	0.000	13:12
Control Test	0.082	13:12
Air Blank	0.000	13:13
Control Test	0.082	13:13
Air Blank	0.000	13:13
Control Test Stats		
Average	0.0820	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DAS



Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000
07/02/2024

SN 80-007479
08:16:49

Auto Calibration
Max Power Res Value = 77
Auto Range Res Value = 59

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l %Z%
Samples Taken = 4, Discarded = 1
Sum Io = 12683, Sum Io = 12891
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = -0.0190 (-0.0120)
Sample #2 = -0.0250 (0.0050)
Sample #3 = -0.0260 (0.0110)
Sample #4 = -0.0560 (0.0330)
Avg % Abs = -0.0357 (0.0163)
STD DEV = 0.0176 (0.0147)
REL STD DEV = 49.391 (90.255)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.0590 (-0.0130)
Sample #2 = 0.0600 (-0.0090)
Sample #3 = 0.0620 (-0.0160)
Sample #4 = 0.0350 (-0.0020)
Avg % Abs = 0.0523 (-0.0090)
STD DEV = 0.0150 (0.0070)
REL STD DEV = 28.747 (77.778)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %Z%
Samples Taken = 4, Discarded = 1
Sum Io = 12679, Sum Io = 12892
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.6940 (-0.0080)
Sample #2 = 0.6780 (0.0000)
Sample #3 = 0.6460 (0.0160)
Sample #4 = 0.6970 (-0.0030)
Avg % Abs = 0.6737 (0.0043)
STD DEV = 0.0258 (0.0102)
REL STD DEV = 3.826 (235.716)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.3510 (0.0000)
Sample #2 = 1.3380 (0.0110)
Sample #3 = 1.3320 (0.0110)
Sample #4 = 1.3600 (-0.0010)
Avg % Abs = 1.3433 (0.0070)
STD DEV = 0.0147 (0.0069)
REL STD DEV = 1.097 (98.974)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %Z%
Samples Taken = 4, Discarded = 1
Sum Io = 12677, Sum Io = 12850
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.7640 (-0.0160)
Sample #2 = 1.7260 (0.0090)
Sample #3 = 1.7170 (0.0120)
Sample #4 = 1.7140 (0.0210)
Avg % Abs = 1.7190 (0.0140)
STD DEV = 0.0062 (0.0062)
REL STD DEV = 0.363 (44.607)

<<<<< CHANNEL 2 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.2710 (-0.1050)
Sample #2 = 3.2550 (0.0110)
Sample #3 = 3.2660 (0.0100)
Sample #4 = 3.2590 (0.0170)
Avg % Abs = 3.2600 (0.0060)
STD DEV = 0.0056 (0.0056)
REL STD DEV = 0.171 (92.796)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %Z%
Samples Taken = 4, Discarded = 1
Sum Io = 12676, Sum Io = 12889
<<<<< CHANNEL 1 >>>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.4160 (-0.0010)
Sample #2 = 3.4320 (0.0090)
Sample #3 = 3.4370 (0.0100)
Sample #4 = 3.3890 (0.0340)
Avg % Abs = 3.4193 (0.0177)
STD DEV = 0.0264 (0.0142)
REL STD DEV = 0.772 (80.117)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = -0.036
Std Dev = 0.02 Rel Std Dev = 49.39
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.674
Std Dev = 0.03 Rel Std Dev = 3.83
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.719
Std Dev = 0.01 Rel Std Dev = 0.36
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.419
Std Dev = 0.03 Rel Std Dev = 0.77
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.056
Std Dev = 0.02 Rel Std Dev = 0.48
Zero Order Coef = 97.89
First Order Coef = 2660.27
Second Order Coef = 28.78
Standard Deviation = 5.079206

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.052
Std Dev = 0.02 Rel Std Dev = 28.75
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.343
Std Dev = 0.01 Rel Std Dev = 1.10
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.260
Std Dev = 0.01 Rel Std Dev = 0.17
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.253
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.130
Std Dev = 0.01 Rel Std Dev = 0.14
Zero Order Coef = -73.39
First Order Coef = 1443.62
Second Order Coef = 14.19
Standard Deviation = 15.184402

CAL ADJUSTMENT
SP

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1014
3 um H2O Adjust (mg/l x 10,000) = 538
9 um H2O Adjust (mg/l x 10,000) = 375
***** AUTO CAL PASS

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 0.0000
0.100 0.100 0.0001
0.200 0.200 -0.0001
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 -0.0000
0.040 0.040 0.0003
0.100 0.100 -0.0005
0.200 0.200 0.0003
0.300 0.300 -0.0001

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %Z%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3250.00
Sample #2 = 3267.00
Sample #3 = 3283.00
Sample #4 = 3264.00
Average Result = 3271.3333
STD DEV = 10.2144
REL STD DEV = 0.312

***** CHANNEL 2
Sample #1 = 3469.00
Sample #2 = 3429.00
Sample #3 = 3437.00
Sample #4 = 3436.00
Average Result = 3434.0000
STD DEV = 4.3589
REL STD DEV = 0.127

Post Cal Stability Checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcoloh Analyzer
Model 8000 SN 80-007479
07/02/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:27
Control Test	0.049	11:27
Air Blank	0.000	11:28
Control Test	0.049	11:28
Air Blank	0.000	11:29
Control Test	0.050	11:29
Air Blank	0.000	11:30
Control Test	0.000	11:30
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

Operator's Signature 

HILLSBOROUGH CO SO
Intoxilyzer - Alcoloh Analyzer
Model 8000 SN 80-007479
07/02/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:21
Control Test	0.198	11:22
Air Blank	0.000	11:23
Control Test	0.198	11:23
Air Blank	0.000	11:24
Control Test	0.198	11:25
Air Blank	0.000	11:25
Control Test	0.000	11:25
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature 

HILLSBOROUGH CO SO
Intoxilyzer - Alcoloh Analyzer
Model 8000 SN 80-007479
07/02/2024
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.080	09:34
Air Blank	0.000	09:35
Control Test	0.080	09:35
Air Blank	0.000	09:36
Control Test	0.080	09:36
Air Blank	0.000	09:36
Control Test	0.000	09:36
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DES

Operator's Signature 

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 13:20

Date of Inspection: 07/02/2024

Serial Number: 80-007479
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	

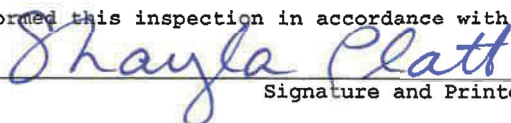
Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:202303K Exp: 03/29/2025	0.08g/210L Test (g/210L) Lot#:202303K Exp: 03/29/2025	0.20g/210L Test (g/210L) Lot#:202304C Exp: 04/05/2025	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:06723080A5 Exp: 04/05/2025
0.000	0.050	0.078	0.198	0.080
0.000	0.050	0.079	0.197	0.080
0.000	0.050	0.078	0.198	0.080
0.000	0.050	0.079	0.198	0.080
0.000	0.050	0.078	0.198	0.081
0.000	0.050	0.079	0.198	0.081
0.000	0.050	0.078	0.197	0.081
0.000	0.050	0.079	0.198	0.081
0.000	0.050	0.079	0.198	0.080
0.000	0.050	0.079	0.198	0.081
Standard Deviations	0.0000	0.0005	0.0004	0.0005

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.



SHAYLA D PLATT

Signature and Printed Name

07/02/2024
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 80-007479, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007479</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>07/02/2024</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>13:20</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.

Shayla Platt
Digitally signed by
Shayla Platt
Date: 2024.07.05
20:11:55 -04'00'

07/02/2024

Date

SHAYLA D PLATT,
Department Inspector

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

Service • Integrity • Respect • Quality

Florida Department of Law Enforcement Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 12:25

Date of Inspection: 07/01/2024

Serial Number: 80-007479
Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted		No
Diagnostic Check (Pre-Inspection): OK		No
Alcohol Free Subject Test: 0.000		No
Mouth Alcohol Test: Slope Not Met		No
Interferent Detect Test: Interferent Detect		No
Diagnostic Check (Post-Inspection): OK		No

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#: Exp:	0.08g/210L Test (g/210L) Lot#: Exp:	0.20g/210L Test (g/210L) Lot#: Exp:	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: Exp:

Number of Simulators Used: _____

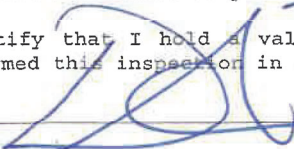
Remarks:

BYPASS AI TO OPERATE INSTRUMENT COMPLIANCE NOT DETERMINED

NA - Compliance not determined DA 7/1/24

The above instrument complies (☒) does not comply (☐) with Chapter 11D-8, FAC.

I certify that I hold a valid Florida Department of Law Enforcement Agency Inspector Permit and that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.



DESTINEE N ARMSTRONG

Signature and Printed Name

07/01/2024
Date