

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 14:45

Date of Inspection: 02/10/2023

Serial Number: 80-007481
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#:AG229803 Exp: 10/25/2024
0.000	0.049	0.078	0.200	0.080
0.000	0.048	0.079	0.201	0.080
0.000	0.048	0.078	0.201	0.080
0.000	0.049	0.078	0.201	0.080
0.000	0.049	0.078	0.201	0.080
0.000	0.049	0.078	0.201	0.080
0.000	0.048	0.078	0.201	0.079
0.000	0.049	0.078	0.201	0.079
0.000	0.049	0.078	0.200	0.080
0.000	0.049	0.078	0.201	0.080

Standard Deviations	0.0004	0.0003	0.0004	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.

Israel Soto

ISRAEL SOTO

Signature and Printed Name

02/10/2023
Date

stability checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/09/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:08
Control Test	0.048	16:09
Air Blank	0.000	16:10
Control Test	0.047	16:10
Air Blank	0.000	16:11
Control Test	0.048	16:12
Air Blank	0.000	16:12
Control Test Stats		
Average	0.0477	
Std Dev	0.0006	
Rel Std Dev(%)	1.2112	

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/09/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:13
Control Test	0.077	16:14
Air Blank	0.000	16:15
Control Test	0.077	16:15
Air Blank	0.000	16:16
Control Test	0.076	16:17
Air Blank	0.000	16:17
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
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02/09/2023
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! WET CONTROL TEST !

Test	g/210L	Time
Air Blank	0.000	16:20
Control Test	0.195	16:21
Air Blank	0.000	16:21

Hit control test
instead of
stability test

wet

Operator's Signature

Operator's Signature

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/09/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:22
Control Test	0.196	16:23
Air Blank	0.000	16:23
Control Test	0.195	16:24
Air Blank	0.000	16:24
Control Test	0.195	16:25
Air Blank	0.000	16:26
Control Test Stats		
Average	0.1953	
Std Dev	0.0006	
Rel Std Dev(%)	0.2956	

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/09/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	16:27
Control Test	0.078	16:28
Air Blank	0.000	16:28
Control Test	0.078	16:29
Air Blank	0.000	16:29
Control Test	0.078	16:29
Air Blank	0.000	16:30
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Dry

Operator's Signature

Operator's Signature



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 80-007481, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007481</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>HILLSBOROUGH CO SO</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>02/10/2023</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>14:45</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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Israel Soto
Soto
Date: 2023.02.10
14:52:21 -05'00'

02/10/2023

Date

ISRAEL SOTO,

Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

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HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/10/2023 10:08:52

Optical Bench Calibration
Adjustment

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Auto Calibration

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<<<<< 3um >>>>>			<<<<< 9um >>>>>		

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.1450	(-0.0020)	0.1000	(0.0010)	
Sample #2	0.1390	(0.0200)	0.1020	(0.0030)	
Sample #3	0.1930	(-0.0020)	0.1160	(-0.0110)	
Sample #4	0.1420	(0.0380)	0.1000	(0.0080)	
Avg % Abs	0.1580	(0.0187)	0.1060	(0.0000)	
STD DEV	0.0303	(0.0200)	0.0087	(0.0098)	
REL STD DEV	19.208	(107.321)	8.224	(6345078272.000)	

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.9160	(0.0000)	1.4370	(-0.0040)	
Sample #2	0.9280	(0.0090)	1.4540	(-0.0100)	
Sample #3	0.9220	(0.0180)	1.4620	(-0.0050)	
Sample #4	0.9220	(0.0260)	1.4730	(-0.0100)	
Avg % Abs	0.9240	(0.0177)	1.4630	(-0.0083)	
STD DEV	0.0035	(0.0085)	0.0095	(0.0029)	
REL STD DEV	0.375	(48.141)	0.652	(34.641)	

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	1.9580	(-0.0020)	3.3980	(-0.0270)	
Sample #2	2.0150	(-0.0130)	3.3960	(-0.0150)	
Sample #3	1.9720	(0.0140)	3.4000	(-0.0210)	
Sample #4	1.9800	(0.0060)	3.4140	(-0.0280)	
Avg % Abs	1.9890	(0.0023)	3.4033	(-0.0213)	
STD DEV	0.0229	(0.0139)	0.0095	(0.0065)	
REL STD DEV	1.150	(594.361)	0.278	(30.499)	

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	3.7710	(-0.0120)	6.5470	(0.0000)	
Sample #2	3.7490	(0.0260)	6.5140	(0.0250)	
Sample #3	3.7500	(0.0410)	6.5140	(0.0310)	
Sample #4	3.7360	(0.0390)	6.4890	(0.0430)	
Avg % Abs	3.7450	(0.0353)	6.5057	(0.0330)	
STD DEV	0.0078	(0.0081)	0.0144	(0.0092)	
REL STD DEV	0.209	(23.051)	0.222	(27.773)	

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	5.4660	(-0.0130)	9.4790	(-0.0100)	
Sample #2	5.4470	(0.0060)	9.4560	(0.0000)	
Sample #3	5.4100	(0.0370)	9.4380	(0.0130)	
Sample #4	5.4550	(0.0220)	9.4530	(0.0000)	
Avg % Abs	5.4373	(0.0217)	9.4490	(0.0043)	
STD DEV	0.0240	(0.0155)	0.0096	(0.0075)	
REL STD DEV	0.442	(71.551)	0.102	(173.205)	

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/10/2023 10:08:52

Optical Bench
Calibration
Adjustment *(A)*

Auto Calibration

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<<<< 3um >>>>

Zero Order Coef -425.58
First Order Coef 2539.36
Second Order Coef 30.73

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0005
0.040	0.041	-0.0009
0.100	0.100	0.0003
0.200	0.200	0.0002
0.300	0.300	-0.0001

<<<< 9um >>>>

-155.40
1396.15
14.00

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0002
0.040	0.040	-0.0003
0.100	0.100	0.0001
0.200	0.200	0.0001
0.300	0.300	-0.0000

<<<< 3um >>>> <<<< 9um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1 2836.00 3307.00
Sample #2 2796.00 3290.00
Sample #3 2846.00 3336.00
Sample #4 2843.00 3323.00
Avg 2828.3333 3316.3333
STD DEV 28.0416 23.7136
REL STD DEV 0.991 0.715
H2O adjust (mg/l*10k) 981 493

Barometric Pressure = 1013

*****CALIBRATION SUCCESSFUL*****

HILLSBOROUGH CO SO
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Model 8000 SN 80-007481
02/10/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:16
Control Test	0.049	11:17
Air Blank	0.000	11:17
Control Test	0.049	11:18
Air Blank	0.000	11:19
Control Test	0.049	11:19
Air Blank	0.000	11:20
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	


Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/10/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:23
Control Test	0.079	11:24
Air Blank	0.000	11:24
Control Test	0.079	11:25
Air Blank	0.000	11:26
Control Test	0.078	11:26
Air Blank	0.000	11:27
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	


Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/10/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:29
Control Test	0.200	11:29
Air Blank	0.000	11:30
Control Test	0.199	11:31
Air Blank	0.000	11:31
Control Test	0.199	11:32
Air Blank	0.000	11:32
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	


Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007481
02/10/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:34
Control Test	0.080	11:34
Air Blank	0.000	11:34
Control Test	0.080	11:35
Air Blank	0.000	11:35
Control Test	0.080	11:36
Air Blank	0.000	11:36
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

Operator's Signature

*PAST STABILITY
CHECKS*
