

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PENSACOLA PD

Time of Inspection: 12:20

Date of Inspection: 02/09/2023

Serial Number: 80-007362

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	0.201	0.078
0.000	0.049	0.079	0.202	0.078
0.000	0.049	0.079	0.201	0.078
0.000	0.049	0.078	0.201	0.078
0.000	0.049	0.079	0.201	0.077
0.000	0.049	0.079	0.201	0.078
0.000	0.049	0.079	0.201	0.078
0.000	0.050	0.079	0.201	0.078
0.000	0.050	0.079	0.201	0.078
0.000	0.049	0.079	0.201	0.078

Standard Deviations	0.0004	0.0004	0.0003	0.0003
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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

02/09/2023
Date

Stability checks

PENSACOLA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007362
02/06/2023
Software: 8100.27

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PENSACOLA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007362
02/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:54
Control Test	0.048	07:54
Air Blank	0.000	07:55
Control Test	0.049	07:55
Air Blank	0.000	07:56
Control Test	0.048	07:57
Air Blank	0.000	07:57
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

Test	g/210L	Time
Air Blank	0.000	08:03
Control Test	0.078	08:03
Air Blank	0.000	08:04
Control Test	0.077	08:05
Air Blank	0.000	08:05
Control Test	0.077	08:06
Air Blank	0.000	08:06
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

Test	g/210L	Time
Air Blank	0.000	08:09
Control Test	0.201	08:10
Air Blank	0.000	08:11
Control Test	0.199	08:11
Air Blank	0.000	08:12
Control Test	0.199	08:13
Air Blank	0.000	08:13
Control Test Stats		
Average	0.1997	
Std Dev	0.0012	
Rel Std Dev(%)	0.5783	

wet

Operator's Signature

Operator's Signature

Operator's Signature

PENSACOLA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007362
02/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:14
Control Test	0.081	08:15
Air Blank	0.000	08:15
Control Test	0.081	08:15
Air Blank	0.000	08:16
Control Test	0.082	08:16
Air Blank	0.000	08:17
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

Dry

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 80-007362, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007362</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>PENSACOLA PD</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>02/09/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>12:20</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.

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Israel Soto
Soto
Date: 2023.02.09 13:41:13
-05'00'

Date

ISRAEL SOTO,

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Department Inspector

Service • Integrity • Respect • Quality

PENSACOLA PD

Intoxilyzer - Alcohol Analyzer

Model 8000

02/06/2023

SN 80-007362

09:47:38

Optical Bench
Calibration Adjustment

Auto Calibration

pg 1 of 2

<<<<< 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	0.0570	(0.0060)	0.1040	(-0.0240)
Sample #2	0.0730	(0.0140)	0.1100	(-0.0230)
Sample #3	0.0760	(0.0350)	0.1150	(-0.0240)
Sample #4	0.0400	(0.0710)	0.0910	(0.0030)
Avg % Abs	0.0630	(0.0400)	0.1053	(-0.0147)
STD DEV	0.0200	(0.0288)	0.0127	(0.0153)
REL STD DEV	31.706	(72.068)	12.021	(104.372)

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7570	(-0.0050)	1.4490	(0.0070)
Sample #2	0.7390	(0.0210)	1.4330	(0.0180)
Sample #3	0.7750	(0.0170)	1.4570	(0.0360)
Sample #4	0.7700	(0.0140)	1.4400	(0.0380)
Avg % Abs	0.7613	(0.0173)	1.4433	(0.0307)
STD DEV	0.0195	(0.0035)	0.0123	(0.0110)
REL STD DEV	2.562	(20.261)	0.855	(35.919)

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.8470	(-0.0050)	3.5210	(-0.0160)
Sample #2	1.8120	(0.0380)	3.4710	(0.0480)
Sample #3	1.8030	(0.0490)	3.4540	(0.0510)
Sample #4	1.8390	(0.0430)	3.4640	(0.0550)
Avg % Abs	1.8180	(0.0433)	3.4630	(0.0513)
STD DEV	0.0187	(0.0055)	0.0085	(0.0035)
REL STD DEV	1.031	(12.710)	0.247	(6.841)

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.6110	(-0.0050)	6.7720	(0.0030)
Sample #2	3.5220	(0.0760)	6.6310	(0.1180)
Sample #3	3.5190	(0.0870)	6.6210	(0.1350)
Sample #4	3.5130	(0.1010)	6.6170	(0.1410)
Avg % Abs	3.5180	(0.0880)	6.6230	(0.1313)
STD DEV	0.0046	(0.0125)	0.0072	(0.0119)
REL STD DEV	0.130	(14.239)	0.109	(9.084)

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.2820	(-0.0070)	9.7830	(-0.0120)
Sample #2	5.2000	(0.0720)	9.6400	(0.1310)
Sample #3	5.1700	(0.1050)	9.5990	(0.1720)
Sample #4	5.1560	(0.1190)	9.5950	(0.1760)
Avg % Abs	5.1753	(0.0987)	9.6113	(0.1597)
STD DEV	0.0225	(0.0241)	0.0249	(0.0249)
REL STD DEV	0.434	(24.458)	0.259	(15.599)

PENSACOLA PD
Intoxilyzer - Alcohol Analyzer
Model 8000
02/06/2023

SN 80-007362
09:47:38

Optical Bench
Calibration Adjustment 

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

Zero Order Coef -159.27
First Order Coef 2669.88
Second Order Coef 23.40

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0002
0.040	0.040	0.0004
0.100	0.100	-0.0002
0.200	0.200	0.0000
0.300	0.300	0.0000

<<<< 9um >>>>

-126.84
1366.98
13.75

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0004
0.040	0.039	0.0006
0.100	0.100	-0.0002
0.200	0.200	-0.0001
0.300	0.300	0.0001

<<<< 3um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample

Sample #1	3408.00
Sample #2	3476.00
Sample #3	3487.00
Sample #4	3494.00
Avg	3485.6667
STD DEV	9.0738
REL STD DEV	0.260
H2O adjust (mg/l*10k)	324

<<<< 9um >>>>

3438.00
3501.00
3504.00
3504.00
3503.0000
1.7321
0.049
306

Barometric Pressure = 1019

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

Post Stability Checks

PENSACOLA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007362
02/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:48
Control Test	0.049	12:49
Air Blank	0.000	12:49
Control Test	0.049	12:50
Air Blank	0.000	12:50
Control Test	0.049	12:51
Air Blank	0.000	12:52
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

PENSACOLA PD
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Test	g/210L	Time
Air Blank	0.000	13:00
Control Test	0.079	13:01
Air Blank	0.000	13:02
Control Test	0.078	13:02
Air Blank	0.000	13:03
Control Test	0.078	13:04
Air Blank	0.000	13:04
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

PENSACOLA PD
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Test	g/210L	Time
Air Blank	0.000	13:10
Control Test	0.202	13:10
Air Blank	0.000	13:11
Control Test	0.200	13:12
Air Blank	0.000	13:12
Control Test	0.200	13:13
Air Blank	0.000	13:14
Control Test Stats		
Average	0.2007	
Std Dev	0.0012	
Rel Std Dev(%)	0.5754	

wet

Operator's Signature

Operator's Signature

Operator's Signature

PENSACOLA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007362
02/06/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:15
Control Test	0.079	13:16
Air Blank	0.000	13:16
Control Test	0.079	13:17
Air Blank	0.000	13:17
Control Test	0.080	13:17
Air Blank	0.000	13:18
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

Dry

Operator's Signature