

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PALM BAY P.D.
Time of Inspection: 11:21

Date of Inspection: 08/04/2022

Serial Number: 80-001721
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#:08121080A1 Exp: 05/05/2023
0.000	0.049	0.078	0.199	0.079
0.000	0.049	0.078	0.200	0.079
0.000	0.049	0.078	0.200	0.079
0.000	0.049	0.079	0.200	0.079
0.000	0.049	0.078	0.200	0.079
0.000	0.049	0.078	0.200	0.079
0.000	0.049	0.079	0.201	0.079
0.000	0.049	0.078	0.201	0.080
0.000	0.049	0.077	0.201	0.079
0.000	0.050	0.076	0.201	0.079

Standard Deviations	0.0003	0.0008	0.0006	0.0003
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 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

08/04/2022
Date

Stability Checks

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
08/04/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:01
Control Test	0.049	08:02
Air Blank	0.000	08:03
Control Test	0.049	08:03
Air Blank	0.000	08:04
Control Test	0.049	08:04
Air Blank	0.000	08:05
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	



Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
08/04/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:06
Control Test	0.079	08:06
Air Blank	0.000	08:07
Control Test	0.079	08:08
Air Blank	0.000	08:08
Control Test	0.079	08:09
Air Blank	0.000	08:09
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	


wet



Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
08/04/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:10
Control Test	0.201	08:11
Air Blank	0.000	08:11
Control Test	0.200	08:12
Air Blank	0.000	08:13
Control Test	0.201	08:13
Air Blank	0.000	08:14
Control Test Stats		
Average	0.2007	
Std Dev	0.0006	
Rel Std Dev(%)	0.2877	




Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001721
08/04/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:16
Control Test	0.081	08:16
Air Blank	0.000	08:17
Control Test	0.080	08:17
Air Blank	0.000	08:18
Control Test	0.080	08:18
Air Blank	0.000	08:19
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

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 80-001721, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001721</u>	UNCERTAINTY* ±	
Owning Agency:	<u>PALMBAY P.D.</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>08/04/2022</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>11:21</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.

Israel Soto
Soto
Digitally signed by Israel Soto
Date: 2022.08.04 12:10:13 -0400

08/04/2022

Date

ISRAEL SOTO,

Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

PALM BAY P.D.
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001721
 08/04/2022 08:48:33

Optical Bench
 Calibration Adjust



Auto Calibration

<<<<< 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	0.1630	(-0.0150)	0.1390	(-0.0090)
Sample #2	0.1200	(0.0460)	0.1300	(-0.0110)
Sample #3	0.1240	(0.0710)	0.0930	(0.0130)
Sample #4	0.1160	(0.1000)	0.1210	(0.0010)
Avg % Abs	0.1200	(0.0723)	0.1147	(0.0010)
STD DEV	0.0040	(0.0270)	0.0193	(0.0120)
REL STD DEV	3.333	(37.361)	16.828	(1200.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8130	(0.0190)	1.4990	(0.0080)
Sample #2	0.8190	(0.0100)	1.5030	(0.0020)
Sample #3	0.8280	(0.0400)	1.4890	(0.0210)
Sample #4	0.8410	(0.0110)	1.5040	(0.0090)
Avg % Abs	0.8293	(0.0203)	1.4987	(0.0107)
STD DEV	0.0111	(0.0170)	0.0084	(0.0096)
REL STD DEV	1.334	(83.799)	0.560	(90.085)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.8800	(-0.0090)	3.5640	(-0.0210)
Sample #2	1.8890	(0.0030)	3.5380	(-0.0030)
Sample #3	1.8730	(0.0350)	3.5330	(0.0120)
Sample #4	1.8980	(0.0340)	3.5540	(0.0160)
Avg % Abs	1.8867	(0.0240)	3.5417	(0.0083)
STD DEV	0.0127	(0.0182)	0.0110	(0.0100)
REL STD DEV	0.671	(75.806)	0.310	(120.200)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.6640	(-0.0300)	6.7990	(-0.0200)
Sample #2	3.6610	(0.0000)	6.8010	(0.0000)
Sample #3	3.6330	(0.0060)	6.7970	(0.0040)
Sample #4	3.6420	(0.0190)	6.7970	(0.0040)
Avg % Abs	3.6453	(0.0083)	6.7983	(0.0027)
STD DEV	0.0143	(0.0097)	0.0023	(0.0023)
REL STD DEV	0.392	(116.550)	0.034	(86.603)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.3570	(-0.0130)	9.8620	(0.0020)
Sample #2	5.3210	(0.0010)	9.8640	(0.0000)
Sample #3	5.3400	(0.0040)	9.8900	(-0.0040)
Sample #4	5.3340	(0.0020)	9.8590	(0.0130)
Avg % Abs	5.3317	(0.0023)	9.8710	(0.0030)
STD DEV	0.0097	(0.0015)	0.0166	(0.0089)
REL STD DEV	0.182	(65.465)	0.169	(296.273)

PALM BAY P.D.
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001721
 08/04/2022 08:48:33

Optical Bench
 Calibration Adjust

Auto Calibration

pg 2 of 2

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 Zero Order Coef -303.26
 First Order Coef 2637.69
 Second Order Coef 18.12

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0003
0.040	0.040	0.0002
0.100	0.099	0.0005
0.200	0.201	-0.0006
0.300	0.300	0.0002

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

 -144.18
 1340.70
 12.22

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	-0.0002
0.300	0.300	0.0001

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

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

Sample #1	3217.00	3412.00
Sample #2	3239.00	3439.00
Sample #3	3230.00	3452.00
Sample #4	3183.00	3432.00
Avg	3217.3333	3441.0000
STD DEV	30.0721	10.1489
REL STD DEV	0.935	0.295
H2O adjust (mg/l*10k)	592	368

Barometric Pressure = 1013

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

Post stability checks

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-001721
08/04/2022
Software: 8100.27


Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.049	09:40
Air Blank	0.000	09:40
Control Test	0.049	09:41
Air Blank	0.000	09:41
Control Test	0.049	09:42
Air Blank	0.000	09:43
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	



Operator's Signature

PALM BAY P.D.
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-001721
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Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.079	09:44
Air Blank	0.000	09:45
Control Test	0.078	09:45
Air Blank	0.000	09:46
Control Test	0.078	09:46
Air Blank	0.000	09:47
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

wet


Operator's Signature

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Model: 8000 SN 80-001721
08/04/2022
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
Test	g/210L	Time
Air Blank	0.000	09:48
Control Test	0.199	09:49
Air Blank	0.000	09:49
Control Test	0.199	09:50
Air Blank	0.000	09:51
Control Test	0.200	09:51
Air Blank	0.000	09:52
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	



Operator's Signature

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Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-001721
08/04/2022
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Test	g/210L	Time
Air Blank	0.000	09:53
Control Test	0.079	09:53
Air Blank	0.000	09:54
Control Test	0.079	09:54
Air Blank	0.000	09:54
Control Test	0.078	09:55
Air Blank	0.000	09:55
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Dry


Operator's Signature