

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ORANGE COUNTY S.O.
Time of Inspection: 15:37

Date of Inspection: 02/01/2023

Serial Number: 80-001420
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	0.048	0.078	0.197	0.080
0.000	0.048	0.078	0.198	0.079
0.000	0.048	0.078	0.198	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.048	0.078	0.197	0.079
0.000	0.048	0.078	0.198	0.079
0.000	0.049	0.078	0.198	0.080
0.000	0.048	0.078	0.197	0.080
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.079	0.198	0.079

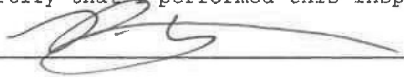
Standard Deviations	0.0004	0.0003	0.0005	0.0005
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 Number of Simulators Used: 5

Remarks:

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.


Signature and Printed Name

PHIL NICODEMO

02/01/2023
Date

STABILITY CHECKS

ORANGE COUNTY S.O.
Intoxilyzer - Alcotest Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:41
Control Test	0.047	09:42
Air Blank	0.000	09:42
Control Test	0.047	09:43
Air Blank	0.000	09:43
Control Test	0.047	09:44
Air Blank	0.000	09:44
Control Test Stats		
Average	0.0470	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcotest Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.076	09:46
Air Blank	0.000	09:47
Control Test	0.076	09:47
Air Blank	0.000	09:48
Control Test	0.076	09:49
Air Blank	0.000	09:49
Control Test Stats		
Average	0.0760	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcotest Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:52
Control Test	0.196	09:53
Air Blank	0.000	09:53
Control Test	0.197	09:54
Air Blank	0.000	09:54
Control Test	0.196	09:55
Air Blank	0.000	09:56
Control Test Stats		
Average	0.1963	
Std Dev	0.0006	
Rel Std Dev(%)	0.2941	

Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcotest Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:57
Control Test	0.079	09:57
Air Blank	0.000	09:58
Control Test	0.081	09:58
Air Blank	0.000	09:59
Control Test Stats		
Average	0.0800	
Std Dev	0.0014	
Rel Std Dev(%)	1.7678	

DGS* See notes

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 80-001420, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001420</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>ORANGE COUNTY S.O.</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>02/01/2023</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>15:37</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.

02/01/2023

Date

PHIL NICODEMO,

Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001420
02/01/2023 10:28:03

Optical Calibration Adjustment



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	0.0740	(-0.0050)	0.0950	(-0.0030)
Sample #2	0.0840	(0.0410)	0.0780	(0.0080)
Sample #3	0.0650	(0.0520)	0.1020	(0.0060)
Sample #4	0.0390	(0.0890)	0.0810	(0.0190)
Avg % Abs	0.0627	(0.0607)	0.0870	(0.0110)
STD DEV	0.0226	(0.0251)	0.0131	(0.0070)
REL STD DEV	36.049	(41.450)	15.031	(63.636)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8460	(-0.0200)	1.5500	(-0.0130)
Sample #2	0.8400	(-0.0060)	1.5480	(-0.0030)
Sample #3	0.8200	(0.0300)	1.5460	(-0.0020)
Sample #4	0.8290	(0.0450)	1.5560	(0.0120)
Avg % Abs	0.8297	(0.0230)	1.5500	(0.0023)
STD DEV	0.0100	(0.0262)	0.0053	(0.0084)
REL STD DEV	1.207	(113.959)	0.341	(359.421)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.0270	(-0.0290)	3.6700	(0.0000)
Sample #2	2.0150	(-0.0090)	3.6910	(-0.0080)
Sample #3	1.9670	(0.0070)	3.6890	(0.0060)
Sample #4	2.0120	(-0.0040)	3.6980	(-0.0050)
Avg % Abs	1.9980	(-0.0020)	3.6927	(-0.0023)
STD DEV	0.0269	(0.0082)	0.0047	(0.0074)
REL STD DEV	1.346	(409.268)	0.128	(315.905)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.8500	(-0.0140)	7.0730	(-0.0150)
Sample #2	3.8350	(-0.0070)	7.0480	(0.0050)
Sample #3	3.8240	(-0.0040)	7.0760	(-0.0150)
Sample #4	3.7980	(0.0270)	7.0380	(0.0110)
Avg % Abs	3.8190	(0.0053)	7.0540	(0.0003)
STD DEV	0.0190	(0.0188)	0.0197	(0.0136)
REL STD DEV	0.498	(352.945)	0.279	(4084.115)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.6090	(-0.0130)	10.2380	(-0.0260)
Sample #2	5.6230	(-0.0030)	10.2110	(0.0140)
Sample #3	5.6200	(-0.0080)	10.2000	(0.0090)
Sample #4	5.5810	(0.0310)	10.2110	(0.0210)
Avg % Abs	5.6080	(0.0067)	10.2073	(0.0147)
STD DEV	0.0234	(0.0212)	0.0064	(0.0060)
REL STD DEV	0.418	(318.316)	0.062	(41.098)

Optical Calibration Adjustment

ORANGE COUNTY S.O.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-001420

02/01/2023

10:28:03

(Handwritten signature)

Auto Calibration

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<<<<<      3um      >>>>>
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Zero Order Coef      -146.74
First Order Coef     2420.33
Second Order Coef    27.56
  
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<<<<<      9um      >>>>>
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Zero Order Coef      -103.39
First Order Coef     1266.52
Second Order Coef    14.00
  
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Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0001
0.040	0.039	0.0005
0.100	0.101	-0.0008
0.200	0.199	0.0005
0.300	0.300	-0.0002

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

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<<<<<      3um      >>>>>
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Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1          3332.00          3377.00
Sample #2          3289.00          3395.00
Sample #3          3262.00          3368.00
Sample #4          3356.00          3383.00
Avg                3302.3333        3382.0000
STD DEV            48.3977          13.5277
REL STD DEV        1.466           0.400
H2O adjust (mg/l*10k) 507          427
  
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Barometric Pressure = 1021

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

Post Stability CHECKS

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:07
Control Test	0.048	13:07
Air Blank	0.000	13:08
Control Test	0.048	13:09
Air Blank	0.000	13:09
Control Test	0.048	13:10
Air Blank	0.000	13:10
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	


Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:16
Control Test	0.077	13:16
Air Blank	0.000	13:17
Control Test	0.077	13:17
Air Blank	0.000	13:18
Control Test	0.077	13:19
Air Blank	0.000	13:19
Control Test Stats		
Average	0.0770	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	


Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:20
Control Test	0.197	13:21
Air Blank	0.000	13:22
Control Test	0.198	13:22
Air Blank	0.000	13:23
Control Test	0.195	13:24
Air Blank	0.000	13:24
Control Test Stats		
Average	0.1970	
Std Dev	0.0010	
Rel Std Dev(%)	0.5076	


Operator's Signature

ORANGE COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001420
02/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:26
Control Test	0.079	13:26
Air Blank	0.000	13:27
Control Test	0.080	13:27
Air Blank	0.000	13:27
Control Test	0.080	13:28
Air Blank	0.000	13:28
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

DGS


Operator's Signature