



INSTRUMENT PROCESSING SHEET

Agency Orange County Sheriff's OfficeS/N 80-000964Florida Department of
Law EnforcementDate In 04-27-2023 DI Completion Date 05-04-2023☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By IS	Quality Checks	By IS	Date	05-02-2023	Flow Calibration	By IS	Date	05-02-2023																																								
☒ Annual ☐ Registration ☐ Return from CMI / EE Visual Inspection: ☒ Case ☒ Handle ☒ Keyboard ☒ Dry Gas Shelf ☒ Feet ☒ Breath Tube ☒ Ports ☒ Screws Tight Other Equipment/ Accessories: ☐ Power cord ☐ Printer Cable ☒ Static Bag ☐ 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>204</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP-103</u> 32 mm <u>0.152</u> (.139 - .169) 36 mm <u>0.164</u> (.156 - .190) 53 mm <u>0.226</u> (.228 - .278) 103 mm <u>0.476</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>28662</u> ☒ Stability Checks				☒ Flow Column # <u>ATP-102</u> ☒ 5L/min - 17mm ☒ 15L/min - 53mm ☒ 30L/min - 103mm ☒ R-Value <u>204</u> ☒ Post Calibration Verification (L/s) Flow Column # <u>ATP-103</u> 32 mm <u>0.148</u> (.139 - .169) 36 mm <u>0.160</u> (.156 - .190) 53 mm <u>0.230</u> (.228 - .278) 103 mm <u>0.500</u> (.447 - .547)																																											
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Notes/Suggested Service: <u>Instrument barometer had greater than 1% difference compared to barometric pressure gauge. Performed Optical Bench Calibration Adjustment. IS</u> _____ _____ _____ _____ _____					☒ 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: 2023.05.05 09:33:17 -04'00'				Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.05.10 13:00:43 -04'00'																																								
					Tech Review / Date				Admin Review / Date																																								

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: ORANGE COUNTY SO
Time of Inspection: 15:02

Date of Inspection: 05/04/2023

Serial Number: 80-000964
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	0.079	0.199	0.079
0.000	0.049	0.078	0.199	0.078
0.000	0.049	0.078	0.200	0.078
0.000	0.049	0.078	0.199	0.079
0.000	0.049	0.078	0.199	0.079
0.000	0.049	0.078	0.199	0.079
0.000	0.049	0.078	0.199	0.079
0.000	0.050	0.078	0.199	0.079
0.000	0.050	0.078	0.199	0.080
0.000	0.049	0.078	0.200	0.080

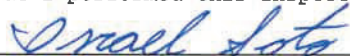
Standard Deviations	0.0004	0.0003	0.0004	0.0006
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 Number of Simulators Used: 5

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.



ISRAEL SOTO

Signature and Printed Name

05/04/2023
Date

Stability Checks

ORANGE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000964
05/02/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	07:55
Control Test	0.050	07:55
Air Blank	0.000	07:56
Control Test	0.049	07:57
Air Blank	0.000	07:57
Control Test	0.049	07:58
Air Blank	0.000	07:58
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	


Operator's Signature

ORANGE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000964
05/02/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:01
Control Test	0.079	08:02
Air Blank	0.000	08:02
Control Test	0.079	08:03
Air Blank	0.000	08:04
Control Test	0.078	08:04
Air Blank	0.000	08:05
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

wet


Operator's Signature

ORANGE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000964
05/02/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:06
Control Test	0.201	08:06
Air Blank	0.000	08:07
Control Test	0.200	08:07
Air Blank	0.000	08:08
Control Test	0.200	08:09
Air Blank	0.001	08:09
Control Test Stats		
Average	0.2003	
Std Dev	0.0006	
Rel Std Dev(%)	0.2882	


Operator's Signature

ORANGE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000964
05/02/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:10
Control Test	0.080	08:11
Air Blank	0.000	08:11
Control Test	0.079	08:12
Air Blank	0.000	08:12
Control Test	0.080	08:12
Air Blank	0.000	08:13
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

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 80-000964, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000964</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>ORANGE COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>05/04/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>15:02</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: 2023.05.04 15:16:23 -04'00'

05/04/2023

Date

ISRAEL SOTO,
Department Inspector

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

Service • Integrity • Respect • Quality

Optical Bench Calibration Adjustment

ORANGE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000964
05/04/2023 09:59:14

Auto Calibration
Max Power Res Value = 96

Auto Range Res Value = 65

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12527, 9um Io = 13799

<<<< CHANNEL 1 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	0.0930	(0.0040)
Sample #2	0.1520	(0.0110)
Sample #3	0.0880	(0.0550)
Sample #4	0.1410	(0.0500)
Avg % Abs = 0.1203 (0.0387)		
STD DEV = 0.0284 (0.0241)		
REL STD DEV = 23.569 (62.302)		

<<<< CHANNEL 2 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	0.0840	(0.0040)
Sample #2	0.1030	(0.0000)
Sample #3	0.0730	(0.0230)
Sample #4	0.0930	(0.0300)
Avg % Abs = 0.0897 (0.0177)		
STD DEV = 0.0153 (0.0157)		
REL STD DEV = 17.036 (88.840)		

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12513, 9um Io = 13792

<<<< CHANNEL 1 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	0.8280	(-0.0050)
Sample #2	0.8230	(0.0150)
Sample #3	0.8290	(0.0180)
Sample #4	0.8030	(0.0600)
Avg % Abs = 0.8183 (0.0313)		
STD DEV = 0.0136 (0.0248)		
REL STD DEV = 1.664 (79.296)		

<<<< CHANNEL 2 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	1.5190	(0.0000)
Sample #2	1.5210	(0.0130)
Sample #3	1.5260	(0.0180)
Sample #4	1.5070	(0.0170)
Avg % Abs = 1.5180 (0.0160)		
STD DEV = 0.0098 (0.0026)		
REL STD DEV = 0.649 (16.536)		

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12502, 9um Io = 13784

<<<< CHANNEL 1 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	1.9100	(-0.0150)
Sample #2	1.8810	(0.0060)
Sample #3	1.8970	(0.0220)
Sample #4	1.8630	(0.0560)
Avg % Abs = 1.8803 (0.0280)		
STD DEV = 0.0170 (0.0255)		
REL STD DEV = 0.905 (91.194)		

<<<< CHANNEL 2 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	3.6550	(-0.0140)
Sample #2	3.6200	(0.0090)
Sample #3	3.6290	(0.0170)
Sample #4	3.6020	(0.0360)
Avg % Abs = 3.6170 (0.0207)		
STD DEV = 0.0137 (0.0139)		
REL STD DEV = 0.380 (67.105)		

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12494, 9um Io = 13782

<<<< CHANNEL 1 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	3.6370	(-0.0120)
Sample #2	3.5850	(0.0420)
Sample #3	3.5880	(0.0530)
Sample #4	3.5720	(0.0690)
Avg % Abs = 3.5817 (0.0547)		
STD DEV = 0.0085 (0.0136)		
REL STD DEV = 0.237 (24.836)		

<<<< CHANNEL 2 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	6.9830	(-0.0030)
Sample #2	6.9170	(0.0600)
Sample #3	6.9220	(0.0650)
Sample #4	6.9050	(0.0620)
Avg % Abs = 6.9147 (0.0623)		
STD DEV = 0.0087 (0.0025)		
REL STD DEV = 0.126 (4.037)		

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12486, 9um Io = 13774
<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 5.3040 (-0.0190)
Sample #2 = 5.2470 (0.0300)
Sample #3 = 5.2810 (0.0440)
Sample #4 = 5.2480 (0.0530)
Avg % Abs = 5.2587 (0.0423)
STD DEV = 0.0193 (0.0116)
REL STD DEV = 0.368 (27.378)

<<<< CHANNEL 2 >>>>

Sample	% Abs	(% Abs Ref)
Sample #1	10.1210	(-0.0210)
Sample #2	10.0580	(0.0420)
Sample #3	10.0710	(0.0610)
Sample #4	10.0610	(0.0390)
Avg % Abs = 10.0633 (0.0473)		
STD DEV = 0.0068 (0.0119)		
REL STD DEV = 0.068 (25.205)		

***** AUTO CAL DATA *****

<<<< CHANNEL 1 >>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.120
Std Dev = 0.03 Rel Std Dev = 23.57
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.818
Std Dev = 0.01 Rel Std Dev = 1.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.880
Std Dev = 0.02 Rel Std Dev = 0.90
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.582
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.259
Std Dev = 0.02 Rel Std Dev = 0.37
Zero Order Coef = -315.48
First Order Coef = 2674.01
Second Order Coef = 19.60
Standard Deviation = 15.108953

<<<< CHANNEL 2 >>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.090
Std Dev = 0.02 Rel Std Dev = 17.04
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.518
Std Dev = 0.01 Rel Std Dev = 0.65
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.617
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.915
Std Dev = 0.01 Rel Std Dev = 0.13
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.063
Std Dev = 0.01 Rel Std Dev = 0.07
Zero Order Coef = -116.38
First Order Coef = 1307.90
Second Order Coef = 12.27
Standard Deviation = 9.018043

Optical Bench Calibration Adjustment

Post stability checks

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	0.0004
0.100	0.100	-0.0004
0.200	0.200	0.0002
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	0.0002
0.100	0.100	-0.0003
0.200	0.200	0.0002
0.300	0.300	-0.0000

Sol Value = 0.080 g/210L ***
 Fit value = 0.3610 mg/l %%%
 Samples Taken = 4, Discarded = 1
 ***** CHANNEL 1

Sample #1 = 3295.00
 Sample #2 = 3329.00
 Sample #3 = 3332.00
 Sample #4 = 3318.00
 Average Result = 3326.3333
 STD DEV = 7.3711
 REL STD DEV = 0.222

***** CHANNEL 2

Sample #1 = 3582.00
 Sample #2 = 3594.00
 Sample #3 = 3639.00
 Sample #4 = 3621.00
 Average Result = 3618.0000
 STD DEV = 22.6495
 REL STD DEV = 0.626

Dry Gas H2O Adjust Results *****

Barometric Pressure = 1011
 3 um H2O Adjust (mg/l*10,000) = 483
 9 um H2O Adjust (mg/l*10,000) = 191

**** AUTO CAL PASS

ORANGE COUNTY SO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-000964
 05/04/2023
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:57
Control Test	0.049	11:58
Air Blank	0.000	11:58
Control Test	0.048	11:59
Air Blank	0.000	12:00
Control Test	0.048	12:00
Air Blank	0.000	12:01
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

Operator's Signature

ORANGE COUNTY SO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-000964
 05/04/2023
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:08
Control Test	0.199	12:09
Air Blank	0.000	12:10
Control Test	0.199	12:10
Air Blank	0.000	12:11
Control Test	0.199	12:12
Air Blank	0.000	12:12
Control Test Stats		
Average	0.1990	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

ORANGE COUNTY SO
 Intoxilyzer - Alcohol Analyzer
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Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.078	12:04
Air Blank	0.000	12:05
Control Test	0.077	12:05
Air Blank	0.000	12:06
Control Test	0.078	12:06
Air Blank	0.000	12:07
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

Operator's Signature

ORANGE COUNTY SO
 Intoxilyzer - Alcohol Analyzer
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Test	g/210L	Time
Air Blank	0.000	12:13
Control Test	0.078	12:14
Air Blank	0.000	12:14
Control Test	0.078	12:14
Air Blank	0.000	12:15
Control Test	0.079	12:15
Air Blank	0.000	12:16
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Operator's Signature

wet

Dry

ORANGE COUNTY SO
Intoxilyzer - Alcohol Analyzer
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05/02/2023
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Flow Cal.
Adjust.

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.926
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.445
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.660

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 700

Rounded Intercept = -664704

Correlation = 0.99681

✓