

Florida Department of Law Enforcement Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: BREVARD COUNTY SO
Time of Inspection: 08:45

Date of Inspection: 08/21/2025

Serial Number: 80-001010
Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted	Yes	
Diagnostic Check (Pre-Inspection): OK		No
Alcohol Free Subject Test: 0.000		No
Mouth Alcohol Test: Slope Not Met		No
Interferent Detect Test: Interferent Detect		No
Diagnostic Check (Post-Inspection): OK		No

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#: _____ Exp: _____	0.08g/210L Test (g/210L) Lot#: _____ Exp: _____	0.20g/210L Test (g/210L) Lot#: _____ Exp: _____	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: _____ Exp: _____

Number of Simulators Used: _____

Remarks:

Time-Date changed. BYPASSED AI TO OPERATE INSTRUMENT.

Compliance not determined.

WKP 8/21/2025

The above instrument complies () does not comply () with Chapter 11D-8, FAC.

I certify that I hold a valid Florida Department of Law Enforcement Agency Inspector Permit and that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.



WEN-CHI K PIERSON

Signature and Printed Name

08/21/2025
Date

Stability Checks

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L																																																																																																																																																
0.047 to 0.053	0.077 to 0.083	0.194 to 0.206	0.077 to 0.083 ≤ 0.003 of Wet																																																																																																																																																
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80-001010

Sub updated date and time afterward.

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001010
08/21/2025 * 14:27:58 *
8/29/2025 ~13:10:00
Auto Calibration
Max Power Res Value = 73
Auto Range Res Value = 27

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12325, Sum Io = 13760
<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1520 (-0.0150)
Sample #2 = 0.1170 (0.0390)
Sample #3 = 0.1310 (0.0820)
Sample #4 = 0.1260 (0.1010)
Avg % Abs = 0.1247 (0.0740)
STD DEV = 0.0071 (0.0318)
REL STD DEV = 5.691 (42.925)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.1370 (-0.0070)
Sample #2 = 0.1230 (0.0000)
Sample #3 = 0.1130 (0.0170)
Sample #4 = 0.1220 (0.0160)
Avg % Abs = 0.1193 (0.0110)
STD DEV = 0.0055 (0.0095)
REL STD DEV = 4.615 (86.722)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12303, Sum Io = 13752
<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 0.8940 (-0.0150)
Sample #2 = 0.8620 (0.0070)
Sample #3 = 0.8770 (0.0460)
Sample #4 = 0.8640 (0.0620)
Avg % Abs = 0.8677 (0.0383)
STD DEV = 0.0081 (0.0283)
REL STD DEV = 0.939 (73.800)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.5180 (-0.0090)
Sample #2 = 1.4930 (0.0060)
Sample #3 = 1.5070 (0.0310)
Sample #4 = 1.5010 (0.0330)
Avg % Abs = 1.5003 (0.0233)
STD DEV = 0.0070 (0.0150)
REL STD DEV = 0.468 (64.476)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12291, Sum Io = 13745
<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 1.9810 (-0.0190)
Sample #2 = 1.9890 (0.0010)
Sample #3 = 1.9740 (0.0400)
Sample #4 = 1.9610 (0.0610)
Avg % Abs = 1.9747 (0.0340)
STD DEV = 0.0140 (0.0304)
REL STD DEV = 0.710 (89.549)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.5360 (-0.0180)
Sample #2 = 3.5170 (0.0080)
Sample #3 = 3.5010 (0.0290)
Sample #4 = 3.4950 (0.0210)
Avg % Abs = 3.5043 (0.0193)
STD DEV = 0.0114 (0.0106)
REL STD DEV = 0.325 (54.821)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12283, Sum Io = 13742
<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 3.7750 (-0.0140)
Sample #2 = 3.7630 (0.0140)
Sample #3 = 3.7460 (0.0560)
Sample #4 = 3.7750 (0.0510)
Avg % Abs = 3.7613 (0.0403)
STD DEV = 0.0146 (0.0229)
REL STD DEV = 0.387 (56.881)

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 6.7680 (0.0010)
Sample #2 = 6.7290 (0.0310)
Sample #3 = 6.7190 (0.0520)
Sample #4 = 6.7240 (0.0430)
Avg % Abs = 6.7240 (0.0420)
STD DEV = 0.0050 (0.0105)
REL STD DEV = 0.074 (25.085)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12275, Sum Io = 13738
<<<< CHANNEL 1 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 5.4990 (-0.0280)
Sample #2 = 5.4900 (0.0080)
Sample #3 = 5.5080 (0.0280)
Sample #4 = 5.4830 (0.0640)
Avg % Abs = 5.4937 (0.0333)
STD DEV = 0.0129 (0.0284)
REL STD DEV = 0.235 (05.135)

Sub Performed calibration
Adjustment 8/29/25
(correct date and time inputted afterward)
Sub V

<<<< CHANNEL 2 >>>>
Sample % Abs (% Abs Ref)
Sample #1 = 9.7940 (-0.0070)
Sample #2 = 9.7760 (0.0500)
Sample #3 = 9.7840 (0.0610)
Sample #4 = 9.7620 (0.0760)
Avg % Abs = 9.7740 (0.0623)
STD DEV = 0.0111 (0.0131)
REL STD DEV = 0.114 (20.938)

***** AUTO CAL DATA *****
<<<< CHANNEL 1 >>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.125
Std Dev = 0.01 Rel Std Dev = 5.69
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.868
Std Dev = 0.01 Rel Std Dev = 0.94
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.975
Std Dev = 0.01 Rel Std Dev = 0.71
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.761
Std Dev = 0.01 Rel Std Dev = 0.39
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.494
Std Dev = 0.01 Rel Std Dev = 0.23
Zero Order Coef = -310.72
First Order Coef = 2522.86
Second Order Coef = 24.39
Standard Deviation = 5.050026

<<<< CHANNEL 2 >>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.119
Std Dev = 0.01 Rel Std Dev = 4.62
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.500
Std Dev = 0.01 Rel Std Dev = 0.47
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.504
Std Dev = 0.01 Rel Std Dev = 0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.724
Std Dev = 0.01 Rel Std Dev = 0.07
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.774
Std Dev = 0.01 Rel Std Dev = 0.11
Zero Order Coef = -161.76
First Order Coef = 1360.95
Second Order Coef = 11.96
Standard Deviation = 5.238001

PG 1 of 2
8/29/25
Sub

80-001010
SUT

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	0.0002
0.100	0.100	-0.0001
0.200	0.200	0.0000
0.300	0.300	0.0000

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	-0.0000
0.100	0.100	0.0002
0.200	0.200	-0.0001
0.300	0.300	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%
Samples Taken = 4, Discarded = 1

***** CHANNEL 1

Sample #1 = 3149.00
Sample #2 = 3086.00
Sample #3 = 3095.00
Sample #4 = 3152.00
Average Result = 3111.0000
STD DEV = 35.7911
REL STD DEV = 1.150

***** CHANNEL 2

Sample #1 = 3452.00
Sample #2 = 3437.00
Sample #3 = 3439.00
Sample #4 = 3465.00
Average Result = 3447.0000
STD DEV = 15.6205
REL STD DEV = 0.453

Dry Gas H2O Adjust Results *****

Barometric Pressure = 1012

3 um H2O Adjust (mg/l*10,000) = 698

9 um H2O Adjust (mg/l*10,000) = 362

**** AUTO CAL PASS

Pg 2 of 2
SUT
8/29/25

Post-Calibration Adjustment Stability Checks

80-001010
SUT-8/29/25

0.050 g/210L	0.080 g/210L	0.200 g/210L	DGS 0.080 g/210L
0.047 to 0.053 g/210L	0.077 to 0.083 g/210L	0.194 to 0.206 g/210L	0.077 to 0.083 g/210L 50.003 g/210L of Wet
Performed Root Case Analysis	Performed Root Case Analysis	Performed Root Case Analysis	Performed Root Case Analysis
<p>BREWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 08/21/2025 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 15:47 Control Test 0.079 15:47 Air Blank 0.000 15:47 Control Test 0.079 15:48 Air Blank 0.000 15:48 Control Test 0.080 15:48 Air Blank 0.000 15:49 Control Test Stats Average 0.0793 Std Dev 0.0006 Rel. Std Dev(%) 0.7277</p>	<p>BREWARD COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 08/21/2025 Software: 8100.27</p> <p>Test g/210L Time</p> <p>Air Blank 0.000 15:51 Control Test 0.080 15:52 Air Blank 0.010 15:52 Control Test 0.080 15:53 Air Blank 0.010 15:54 Control Test 0.080 15:54 Air Blank 0.010 15:55 Control Test Stats Average 0.0300 Std Dev 0.0000 Rel. Std Dev(%) 0.0000</p>	<p><i>SMS</i></p>	<p><i>SMS</i></p>
	<p><i>M. J. Mitchell</i> Operator's Signature</p>		<p><i>M. J. Mitchell</i> Operator's Signature</p>

* incorrect date -> updated time & date
ran 8/29/2025 SUT

Return Material Authorization

Ship to: CMI, Inc.

Enforcement Electronics

Shipment to repair facility authorized by: Robert Wagner on 9/4/2025

Items Returned: Instrument Supplies Other Describe: _____

Instrument Model: Intoxilyzer 8000 Serial Number: 80-001010

Bill To Address:
Brevard County SO

700 S. Park Ave.

Titusville, Florida 32780

Ship to Address:
FDLE Tallahassee

Reason for Return:

Battery change needed - date and time not being maintained

Please choose one of the following options:

- 1. I _____, authorize all repairs.
- 2. I _____, authorize repairs up to \$_____.
- 3. I require an estimate **BEFORE** any repairs will be authorized and/ or conducted.

Please contact: Name: Robert Wagner
Phone #: 321-289-6644 Email: robert.wagner@bcso.us

ATP Contact Name: LeAndra Higginbotham ATP Email: LeAndraHigginbotham@fdle.state.fl.us