



## INSTRUMENT PROCESSING SHEET

Agency Brevard County Sheriff's OfficeS/N 80-001253Florida Department of  
Law EnforcementDate In 01-18-2023 DI Completion Date 01-20-2023☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By IS	Quality Checks	By IS	Date <u>01-18-2023</u>	Flow Calibration	By	Date																																								
<input checked="" type="checkbox"/> Annual <input type="checkbox"/> Registration <input checked="" type="checkbox"/> Return from CMI / EE  Visual Inspection: <input checked="" type="checkbox"/> Case <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/> Keyboard <input checked="" type="checkbox"/> Dry Gas Shelf <input checked="" type="checkbox"/> Feet <input checked="" type="checkbox"/> Breath Tube <input checked="" type="checkbox"/> Ports <input checked="" type="checkbox"/> Screws Tight  Other Equipment/ Accessories: <input checked="" type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable  Notes: Instrument missing back left foot on dry gas shelf.		<input checked="" type="checkbox"/> Breath Tube Screen <input checked="" type="checkbox"/> Replace External O-Rings <input checked="" type="checkbox"/> Instrument Set Up Verified <input checked="" type="checkbox"/> R-Value <u>159</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP-105</u> 32 mm <u>0.156</u> (.139 - .169) 36 mm <u>0.171</u> (.156 - .190) 53 mm <u>0.250</u> (.228 - .278) 103 mm <u>0.515</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>30793</u> <input checked="" type="checkbox"/> Stability Checks			<input type="checkbox"/> Flow Column # _____ <input type="checkbox"/> 5L/min – 17mm <input type="checkbox"/> 15L/min – 53mm <input type="checkbox"/> 30L/min – 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> Post Calibration Verification (L/s) Flow Column # _____ 32 mm _____ (.139 - .169) 36 mm _____ (.156 - .190) 53 mm _____ (.228 - .278) 103 mm _____ (.447 - .547)																																										
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Notes/Suggested Service: <u>Stability Check results not nominal. Performed Optical Bench Calibration Adjustment. Post Stability Check results not nominal. Instrument received "Analytical Test Fail" during startup Diagnostic Check the next day. Performed second Optical Bench Calibration Adjustment. Absorbance values were zero. See Extra Notes attachments for further notes. IS</u>				<input checked="" type="checkbox"/> Instrument Complies with Chapter 11D-8, FAC <input type="checkbox"/> Instrument Does Not Comply with Chapter 11D-8, FAC <input checked="" type="checkbox"/> Return to/Place into Evidentiary Use <input type="checkbox"/> Remain Out of Evidentiary Use <input checked="" type="checkbox"/> Conduct an Agency Inspection Before Evidentiary Use																																											
Taylor Gutschow		Digitally signed by Taylor Gutschow Date: 2023.01.25 09:34:57 -05'00'		Phil Nicodemo		Digitally signed by Phil Nicodemo Date: 2023.01.26 10:07:34 -05'00'																																									
Tech Review / Date				Admin Review / Date																																											

# Florida Department of Law Enforcement Alcohol Testing Program

## DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BREVARD COUNTY S.O.

Time of Inspection: 14:48

Date of Inspection: 01/20/2023

Serial Number: 80-001253

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	0.052	0.081	0.204	0.080
0.000	0.051	0.081	0.205	0.080
0.000	0.052	0.081	0.204	0.080
0.000	0.052	0.081	0.203	0.080
0.000	0.051	0.081	0.204	0.079
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0.000	0.052	0.081	0.204	0.080
0.000	0.052	0.081	0.204	0.079
0.000	0.052	0.081	0.204	0.079

Standard Deviations	0.0004	0.0000	0.0004	0.0004
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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

01/20/2023

Date

# Stability checks

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:10
Control Test	0.048	13:11
Air Blank	0.000	13:11
Control Test	0.048	13:12
Air Blank	0.000	13:12
Control Test	0.047	13:13
Air Blank	0.000	13:14
Control Test Stats		
Average	0.0477	
Std Dev	0.0006	
Rel Std Dev(%)	1.2112	

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:15
Control Test	0.077	13:15
Air Blank	0.000	13:16
Control Test	0.077	13:16
Air Blank	0.000	13:17
Control Test	0.076	13:18
Air Blank	0.000	13:18
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:20
Control Test	0.200	13:21
Air Blank	0.000	13:21
Control Test	0.199	13:22
Air Blank	0.000	13:22
Control Test	0.198	13:23
Air Blank	0.000	13:24
Control Test Stats		
Average	0.1990	
Std Dev	0.0010	
Rel Std Dev(%)	0.5025	

wet

Operator's Signature

Operator's Signature

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:31
Control Test	0.074	13:31
Air Blank	0.000	13:31
Control Test	0.075	13:32
Air Blank	0.000	13:32
Control Test	0.075	13:33
Air Blank	0.000	13:33
Control Test Stats		
Average	0.0747	
Std Dev	0.0006	
Rel Std Dev(%)	0.7732	

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 80-001253, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001253</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>BREVARD COUNTY S.O.</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>01/20/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>14:48</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  $\pm 0.005$  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.

01/20/2023

Date

**Israel Soto**

Digitally signed by Israel

Soto

Date: 2023.01.20 15:34:24

-05'00'

**ISRAEL SOTO,**  
Department Inspector

FDLE/ATP Form 69 March 2022

Issuing Authority: Alcohol Testing Program

*Service • Integrity • Respect • Quality*

Page 1 of 1

BREVARD COUNTY S.O.  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001253  
 01/18/2023 13:36:06

Optical Bench Calibration  
 Adjustment ✓ #1

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	0.1440	(-0.0090)	0.0970	(-0.0050)
Sample #2	0.1270	(0.0160)	0.1020	(-0.0020)
Sample #3	0.0910	(0.0600)	0.0950	(0.0200)
Sample #4	0.0960	(0.0890)	0.1070	(0.0160)
Avg % Abs	0.1047	(0.0550)	0.1013	(0.0113)
STD DEV	0.0195	(0.0368)	0.0060	(0.0117)
REL STD DEV	18.633	(66.829)	5.948	(103.402)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8660	(-0.0160)	1.5470	(-0.0020)
Sample #2	0.8420	(0.0220)	1.5220	(0.0240)
Sample #3	0.8250	(0.0310)	1.5190	(0.0270)
Sample #4	0.8460	(0.0360)	1.5360	(0.0340)
Avg % Abs	0.8377	(0.0297)	1.5257	(0.0283)
STD DEV	0.0112	(0.0071)	0.0091	(0.0051)
REL STD DEV	1.331	(23.914)	0.595	(18.112)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.9400	(-0.0180)	3.6260	(-0.0120)
Sample #2	1.9160	(0.0060)	3.5850	(0.0120)
Sample #3	1.9540	(0.0080)	3.5980	(0.0300)
Sample #4	1.9220	(0.0240)	3.5810	(0.0220)
Avg % Abs	1.9307	(0.0127)	3.5880	(0.0213)
STD DEV	0.0204	(0.0099)	0.0089	(0.0090)
REL STD DEV	1.058	(77.888)	0.248	(42.274)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.3840	(0.0010)	10.1070	(-0.0110)
Sample #2	5.3450	(0.0700)	9.9890	(0.1150)
Sample #3	5.3410	(0.0740)	9.9930	(0.1190)
Sample #4	5.3370	(0.0990)	9.9790	(0.1350)
Avg % Abs	5.3410	(0.0810)	9.9870	(0.1230)
STD DEV	0.0040	(0.0157)	0.0072	(0.0106)
REL STD DEV	0.075	(19.403)	0.072	(8.604)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.7070	(-0.0260)	6.9210	(-0.0130)
Sample #2	3.6520	(0.0190)	6.8980	(0.0410)
Sample #3	3.6600	(0.0270)	6.9020	(0.0390)
Sample #4	3.6550	(0.0290)	6.8740	(0.0730)
Avg % Abs	3.6557	(0.0250)	6.8913	(0.0510)
STD DEV	0.0040	(0.0053)	0.0151	(0.0191)
REL STD DEV	0.111	(21.166)	0.220	(37.409)



BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023 13:36:06

Optical Bench Calibration  
Adjustment ☒ #1

Auto Calibration

pg 2 of 2

<<<< 3um >>>>  
-----  
Zero Order Coef -2022.10  
First Order Coef 6266.29  
Second Order Coef -729.37  
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Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.029	0.0289
0.040	0.057	-0.0170
0.100	0.155	-0.0545
0.200	0.223	-0.0234
0.300	0.234	0.0661

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-----  
-1703.35  
3225.55  
-198.65  
-----

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.029	0.0289
0.040	0.058	-0.0179
0.100	0.154	-0.0536
0.200	0.225	-0.0246
0.300	0.233	0.0671

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-----

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

Sample		
Sample #1	4275.00	5191.00
Sample #2	4210.00	5149.00
Sample #3	4225.00	5175.00
Sample #4	3959.00	5157.00
Avg	4131.3335	5160.3335
STD DEV	149.4334	13.3167
REL STD DEV	3.617	0.258
H2O adjust (mg/l*10k)	-321	-1350

Barometric Pressure = 1014

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

# Post stability checks #1

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:19
Control Test	0.075	14:20
Air Blank	0.000	14:21
Control Test	0.075	14:21
Air Blank	0.000	14:22
Control Test	0.074	14:23
Air Blank	0.000	14:23
Control Test Stats		
Average	0.0747	
Std Dev	0.0006	
Rel Std Dev(%)	0.7732	

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:24
Control Test	0.124	14:25
Air Blank	0.000	14:26
Control Test	0.123	14:26
Air Blank	0.000	14:27
Control Test	0.123	14:28
Air Blank	0.000	14:28
Control Test Stats		
Average	0.1233	
Std Dev	0.0006	
Rel Std Dev(%)	0.4681	

wet

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:30
Control Test	0.232	14:30
Air Blank	0.000	14:31
Control Test	0.232	14:32
Air Blank	0.000	14:32
Control Test	0.232	14:33
Air Blank	0.000	14:33
Control Test Stats		
Average	0.2320	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/18/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:37
Control Test	0.079	14:37
Air Blank	0.000	14:38
Control Test	0.079	14:38
Air Blank	0.000	14:39
Control Test	0.078	14:39
Air Blank	0.000	14:39
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Dry

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023 09:36:47

Optical Bench Calibration  
Adjustment #2

Auto Calibration

pg 1 of 2

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Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)



BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023 09:36:47

Optical Bench Calibration  
Adjustment #2  
✓

Auto Calibration

pg 2 of 2

<<<< 3um >>>>  
-----  
Zero Order Coef 12190.47  
First Order Coef 0.00  
Second Order Coef -6095.23  
-----

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.256	-0.2560
0.040	0.256	-0.2160
0.100	0.256	-0.1560
0.200	0.256	-0.0560
0.300	0.256	0.0440

<<<< 9um >>>>  
-----  
12190.47  
0.00  
-6095.23  
-----

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.256	-0.2560
0.040	0.256	-0.2160
0.100	0.256	-0.1560
0.200	0.256	-0.0560
0.300	0.256	0.0440

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

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

Sample  
Sample #1 0.00  
Sample #2 0.00  
Sample #3 0.00  
Sample #4 0.00  
Avg 0.0000  
STD DEV 0.0000  
REL STD DEV 0.000  
H2O adjust (mg/l\*10k) 3809

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

0.00  
0.00  
0.00  
0.00  
0.0000  
0.0000  
0.000  
3809

Barometric Pressure = 1014

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023 11:35:29

optical Bench Calibration  
Adjustment ✓  
#3

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	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0000	(0.0000)	0.0000	(0.0000)
Sample #2	0.0000	(0.0000)	0.0000	(0.0000)
Sample #3	0.0000	(0.0000)	0.0000	(0.0000)
Sample #4	0.0000	(0.0000)	0.0000	(0.0000)
Avg % Abs	0.0000	(0.0000)	0.0000	(0.0000)
STD DEV	0.0000	(0.0000)	0.0000	(0.0000)
REL STD DEV	0.000	(0.000)	0.000	(0.000)

BREVARD COUNTY S.O.  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-001253  
 01/19/2023 11:35:29

Optical Bench Calibration  
 Adjustment ✓  
 #3

Auto Calibration

pg 2 of 2

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

Zero Order Coef 12190.47  
 First Order Coef 0.00  
 Second Order Coef -6095.23

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.256	-0.2560
0.040	0.256	-0.2160
0.100	0.256	-0.1560
0.200	0.256	-0.0560
0.300	0.256	0.0440

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

12190.47  
 0.00  
 -6095.23

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.256	-0.2560
0.040	0.256	-0.2160
0.100	0.256	-0.1560
0.200	0.256	-0.0560
0.300	0.256	0.0440

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

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

Sample	
Sample #1	0.00
Sample #2	0.00
Sample #3	0.00
Sample #4	0.00
Avg	0.0000
STD DEV	0.0000
REL STD DEV	0.000
H2O adjust (mg/l*10k)	3809

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

0.00  
 0.00  
 0.00  
 0.00  
 0.0000  
 0.0000  
 0.000  
 3809

Barometric Pressure = 1013

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

BREVARD COUNTY S.O.

Intoxilyzer - Alcohol Analyzer

Model 8000

01/19/2023

SN 80-001253

12:39:39

Optical Bench Calibration  
Adjustment #4

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	0.1460	(-0.0180)	0.0800	(0.0100)
Sample #2	0.1410	(0.0030)	0.1000	(0.0000)
Sample #3	0.1010	(0.0210)	0.0910	(-0.0010)
Sample #4	0.1160	(0.0410)	0.1230	(0.0000)
Avg % Abs	0.1193	(0.0217)	0.1047	(-0.0003)
STD DEV	0.0202	(0.0190)	0.0165	(0.0006)
REL STD DEV	16.933	(87.733)	15.767	(173.205)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8730	(-0.0160)	1.5520	(-0.0090)
Sample #2	0.8380	(-0.0050)	1.5210	(0.0140)
Sample #3	0.8670	(0.0000)	1.5340	(0.0140)
Sample #4	0.8370	(0.0120)	1.4840	(0.0230)
Avg % Abs	0.8473	(0.0023)	1.5130	(0.0170)
STD DEV	0.0170	(0.0087)	0.0259	(0.0052)
REL STD DEV	2.011	(374.438)	1.715	(30.566)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.9700	(-0.0140)	3.6480	(0.0030)
Sample #2	1.9100	(0.0300)	3.5880	(0.0390)
Sample #3	1.8740	(0.0660)	3.5670	(0.0600)
Sample #4	1.9170	(0.0280)	3.5620	(0.0560)
Avg % Abs	1.9003	(0.0413)	3.5723	(0.0517)
STD DEV	0.0231	(0.0214)	0.0138	(0.0112)
REL STD DEV	1.214	(51.739)	0.386	(21.582)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	3.7320	(-0.0110)	6.9550	(-0.0030)
Sample #2	3.6780	(0.0350)	6.8670	(0.0770)
Sample #3	3.6580	(0.0470)	6.8360	(0.1020)
Sample #4	3.6440	(0.0610)	6.8380	(0.1080)
Avg % Abs	3.6600	(0.0477)	6.8470	(0.0957)
STD DEV	0.0171	(0.0130)	0.0173	(0.0164)
REL STD DEV	0.467	(27.300)	0.253	(17.187)

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.3890	(-0.0210)	10.0850	(-0.0370)
Sample #2	5.3050	(0.0870)	9.9360	(0.1370)
Sample #3	5.3050	(0.0710)	9.9060	(0.1360)
Sample #4	5.2980	(0.1000)	9.9250	(0.1480)
Avg % Abs	5.3027	(0.0860)	9.9223	(0.1403)
STD DEV	0.0040	(0.0145)	0.0152	(0.0067)
REL STD DEV	0.076	(16.891)	0.153	(4.745)

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000  
01/19/2023  
SN 80-001253  
12:39:39

Optical Bench Calibration  
Adjustment #4

Auto Calibration

pg 2 of 2

<<<<< 3um >>>>>  
-----  
Zero Order Coef -297.59  
First Order Coef 2578.80  
Second Order Coef 31.79  
-----

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0002
0.040	0.040	-0.0001
0.100	0.099	0.0009
0.200	0.201	-0.0009
0.300	0.300	0.0003

<<<<< 9um >>>>>  
-----  
-131.37  
1320.61  
13.29  
-----

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	-0.0002
0.300	0.300	0.0001

<<<<< 3um >>>>>  
-----  
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1  
Sample

Sample #1	2761.00
Sample #2	2632.00
Sample #3	2646.00
Sample #4	2752.00
Avg	2676.6667
STD DEV	65.6150
REL STD DEV	2.451
H2O adjust (mg/l*10k)	1133

<<<<< 9um >>>>>  
-----  
3304.00  
3284.00  
3264.00  
3335.00  
3294.3333  
36.6106  
1.111  
515

Barometric Pressure = 1013

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

# Post stability checks #2

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:12
Control Test	0.049	15:13
Air Blank	0.000	15:13
Control Test	0.049	15:14
Air Blank	0.000	15:15
Control Test	0.049	15:15
Air Blank	0.000	15:16
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:18
Control Test	0.080	15:19
Air Blank	0.000	15:19
Control Test	0.079	15:20
Air Blank	0.000	15:20
Control Test	0.078	15:21
Air Blank	0.000	15:22
Control Test Stats		
Average	0.0790	
Std Dev	0.0010	
Rel Std Dev(%)	1.2658	

Operator's Signature

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:23
Control Test	0.203	15:23
Air Blank	0.000	15:24
Control Test	0.201	15:25
Air Blank	0.000	15:25
Control Test	0.200	15:26
Air Blank	0.000	15:26
Control Test Stats		
Average	0.2013	
Std Dev	0.0015	
Rel Std Dev(%)	0.7587	

Operator's Signature

wet

BREVARD COUNTY S.O.  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-001253  
01/19/2023  
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:28
Control Test	0.079	15:28
Air Blank	0.000	15:29
Control Test	0.080	15:29
Air Blank	0.000	15:30
Control Test	0.080	15:30
Air Blank	0.000	15:30
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

Operator's Signature

Dry



Extra Notes:

Performed third Optical Bench Calibration Adjustment, Barometric Pressure was 1014. Absorbance results were still zero. Second and third Optical Bench Calibration Adjustments were performed when instrument was in Standby Mode due to the Analytical Test Fail during initial Diagnostic Check. After third Optical Bench Calibration Adjustment the instrument passed all Diagnostic Check tests and entered Ready Mode. Performed fourth Optical Bench Calibration Adjustment, Barometric Pressure was 1013. Absorbance values were non-zero. All Optical Bench Calibration Adjustments performed using the same Serial # Simulators, and the Lot # and Expiration Dates for the adjustment alcohol solutions were the same. The same Barometric Pressure Gauge was also used for all Optical Bench Calibration Adjustments. Suspect a simulator/solution was used out of order during the initial Optical Bench Calibration Adjustment causing the Analytical Test Fail during Diagnostic Check. Performing the fourth Optical Bench Calibration Adjustment when the instrument was in Ready Mode corrected the issue. Second Post Stability Checks performed after fourth Optical Bench Calibration Adjustment, values were nominal. Performed Department Inspection, all values nominal, instrument complies with Chapter 11D-8.

*Ornel Soto*