



INSTRUMENT PROCESSING SHEET

Agency Polk CSOS/N 80-000860Florida Department of
Law EnforcementDate In 03/06/2023 DI Completion Date 03/08/2023☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake	By TDG	Quality Checks	By TDG	Date <u>03/07/2023</u>	Flow Calibration	By	Date																																	
<input checked="" type="checkbox"/> Annual <input checked="" 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 type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		<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>172</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP104</u> 32 mm <u>0.156</u> (.139 - .169) 36 mm <u>0.167</u> (.156 - .190) 53 mm <u>0.234</u> (.228 - .278) 103 mm <u>0.492</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>68639</u> <input checked="" type="checkbox"/> Stability Checks			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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Calibration Adjustment		By TDG		Department Inspection		By TDG																																		
Barometric Pressure Gauge <u>1019</u> ID # <u>28199</u>				Barometric Pressure ID# <u>28663</u>																																				
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Notes/Suggested Service: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____				<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																																				
				Israel Soto <small>Digitally signed by Israel Soto Date: 2023.03.09 10:07:59 +05'00'</small>		Phil Nicodemo <small>Digitally signed by Phil Nicodemo Date: 2023.03.13 11:09:31 -04'00'</small>																																		
				Tech Review / Date		Admin Review / Date																																		



Florida Department of
Law Enforcement

REQUEST FOR REGISTRATION

MAKE AND MODEL OF INSTRUMENT: Intoxilyzer 8000

SERIAL NUMBER: 80-000860

OWNING AGENCY: Polk County Sheriff's Office

DATE OF DEPARTMENT INSPECTION: 03/08/2023

AGENCY INSPECTOR: Nathan Lucas

ADDRESS: 1891 Jim Keene Blvd

CITY, STATE, ZIP: Winter Haven, FL 33880

TELEPHONE NUMBER: 863-668-3100

FAX NUMBER: n/a

EMAIL ADDRESS (if available): NLucas@polksheriff.org

For Program Office Use Only:

- ☒ Registration Issued
- ☒ Instrument Added to Evidentiary Instrument Database
- ☐ Instrument Added to Monthly Statistics Database
- ☒ Contact Information Added to Instrument Database

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-000960	Polk CSO	03/07/2023	TDG MG

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 ✓
POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/07/2023 Software: 8100.27	POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/07/2023 Software: 8100.27	POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/07/2023 Software: 8100.27	POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/07/2023 Software: 8100.27
Test g/210L Time	Test g/210L Time	Test g/210L Time	Test g/210L Time
Air Blank 0.000 10:47	Air Blank 0.000 10:54	Air Blank 0.000 11:03	Air Blank 0.000 10:38
Control Test 0.048 10:48	Control Test 0.077 10:55	Control Test 0.199 11:04	Control Test 0.078 10:38
Air Blank 0.000 10:48	Air Blank 0.000 10:55	Air Blank 0.000 11:04	Air Blank 0.000 10:39
Control Test 0.048 10:49	Control Test 0.077 10:56	Control Test 0.199 11:05	Control Test 0.077 10:39
Air Blank 0.000 10:49	Air Blank 0.000 10:57	Air Blank 0.000 11:06	Air Blank 0.000 10:40
Control Test 0.047 10:50	Control Test 0.076 10:57	Control Test 0.198 11:06	Control Test 0.076 10:40
Air Blank 0.000 10:51	Air Blank 0.000 10:58	Air Blank 0.000 11:07	Air Blank 0.000 10:41
Control Test Stats	Control Test Stats	Control Test Stats	Control Test Stats
Average 0.0477	Average 0.0767	Average 0.1987	Average 0.0770
Std Dev 0.0006	Std Dev 0.0006	Std Dev 0.0006	Std Dev 0.0010
Rel Std Dev(%) 1.2112	Rel Std Dev(%) 0.7531	Rel Std Dev(%) 0.2906	Rel Std Dev(%) 1.2987
MG Operator's Signature	MG Operator's Signature	MG Operator's Signature	MG Operator's Signature

Comments:

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000860
03/08/2023 09:41:20

Auto Calibration
Max Power Res Value = 48
Auto Range Res Value = 35

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
3um Io = 12847, 9um Io = 13875

Channel 1 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 0.1020 (-0.0230)
Sample #2 = 0.1020 (-0.0170)
Sample #3 = 0.0940 (0.0090)
Sample #4 = 0.1100 (0.0140)
Avg % Abs = 0.1020 (0.0020)
STD DEV = 0.0080 (0.0166)
REL STD DEV = 7.843 (832.166)

Channel 2 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 0.1710 (-0.0200)
Sample #2 = 0.1480 (-0.0020)
Sample #3 = 0.1510 (0.0000)
Sample #4 = 0.1540 (0.0060)
Avg % Abs = 0.1510 (0.0013)
STD DEV = 0.0030 (0.0042)
REL STD DEV = 1.987 (312.250)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
3um Io = 12845, 9um Io = 13870

Channel 1 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 0.7390 (-0.0080)
Sample #2 = 0.7700 (-0.0080)
Sample #3 = 0.7480 (-0.0170)
Sample #4 = 0.7600 (0.0020)
Avg % Abs = 0.7593 (-0.0077)
STD DEV = 0.0110 (0.0095)
REL STD DEV = 1.451 (123.970)

Channel 2 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 1.5590 (0.0070)
Sample #2 = 1.5730 (-0.0020)
Sample #3 = 1.5800 (-0.0140)
Sample #4 = 1.5520 (0.0120)
Avg % Abs = 1.5683 (-0.0013)
STD DEV = 0.0146 (0.0130)
REL STD DEV = 0.929 (975.961)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
3um Io = 12845, 9um Io = 13869

Channel 1 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 1.7650 (-0.0120)
Sample #2 = 1.7540 (-0.0010)
Sample #3 = 1.7550 (-0.0190)
Sample #4 = 1.7620 (0.0050)
Avg % Abs = 1.7570 (-0.0050)
STD DEV = 0.0044 (0.0125)
REL STD DEV = 0.248 (249.800)

Channel 2 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 3.6620 (0.0000)
Sample #2 = 3.6440 (0.0110)
Sample #3 = 3.6480 (0.0000)
Sample #4 = 3.6670 (-0.0050)
Avg % Abs = 3.6530 (0.0020)
STD DEV = 0.0123 (0.0082)
REL STD DEV = 0.336 (409.268)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
3um Io = 12844, 9um Io = 13865

Channel 1 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 3.3790 (-0.0390)
Sample #2 = 3.3740 (-0.0060)
Sample #3 = 3.3640 (-0.0240)
Sample #4 = 3.3600 (-0.0310)
Avg % Abs = 3.3660 (-0.0203)
STD DEV = 0.0072 (0.0129)
REL STD DEV = 0.214 (63.428)

Channel 2 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 6.9980 (-0.0150)
Sample #2 = 6.9970 (-0.0010)
Sample #3 = 6.9880 (-0.0070)
Sample #4 = 6.9750 (-0.0010)
Avg % Abs = 6.9867 (-0.0030)
STD DEV = 0.0111 (0.0035)
REL STD DEV = 0.158 (115.470)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
3um Io = 12853, 9um Io = 13868

Channel 1 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 4.9520 (-0.0100)
Sample #2 = 4.9440 (-0.0100)
Sample #3 = 4.9360 (-0.0120)
Sample #4 = 4.9330 (0.0150)
Avg % Abs = 4.9377 (-0.0023)
STD DEV = 0.0057 (0.0150)
REL STD DEV = 0.115 (644.759)

Channel 2 Data:
Sample % Abs (% Abs Ref)
Sample #1 = 10.1290 (-0.0130)
Sample #2 = 10.1190 (-0.0080)
Sample #3 = 10.1040 (-0.0070)
Sample #4 = 10.1120 (-0.0030)
Avg % Abs = 10.1117 (-0.0060)
STD DEV = 0.0075 (0.0026)
REL STD DEV = 0.074 (44.096)

Optical Calibration	
SN:	80-000860
Agency:	Polk CSO
Date:	03/08/2023
Quadratic Fit:	+/- 0.002g/210L ✓
By:	TDG ML

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

Channel 1 Data:

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.102
Std Dev = 0.01 Rel Std Dev = 7.84
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.759
Std Dev = 0.01 Rel Std Dev = 1.45
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.757
Std Dev = 0.00 Rel Std Dev = 0.25
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.366
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 4.938
Std Dev = 0.01 Rel Std Dev = 0.12
Zero Order Coef = -279.15
First Order Coef = 2833.09
Second Order Coef = 23.58
Standard Deviation = 11.787137

Channel 2 Data:

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.151
Std Dev = 0.00 Rel Std Dev = 1.99
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.568
Std Dev = 0.01 Rel Std Dev = 0.93
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.653
Std Dev = 0.01 Rel Std Dev = 0.34
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.987
Std Dev = 0.01 Rel Std Dev = 0.16
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.112
Std Dev = 0.01 Rel Std Dev = 0.07
Zero Order Coef = -186.51
First Order Coef = 1307.04
Second Order Coef = 12.21
Standard Deviation = 13.545549

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0002
0.100	0.100	0.0002
0.200	0.200	-0.0004
0.300	0.300	0.0002

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

Channel 1 Data:
Sample #1 = 3136.00
Sample #2 = 2990.00
Sample #3 = 3053.00
Sample #4 = 3156.00
Average Result = 3066.3333
STD DEV = 83.7994
REL STD DEV = 2.733

Channel 2 Data:

Sample #1 = 3257.00
Sample #2 = 3227.00
Sample #3 = 3207.00
Sample #4 = 3251.00
Average Result = 3228.3333
STD DEV = 22.0303
REL STD DEV = 0.682

Dry Gas H2O Adjust Results *****
Barometric Pressure = 1019
3 um H2O Adjust (mg/l*10,000) = 743
9 um H2O Adjust (mg/l*10,000) = 581
**** AUTO CAL PASS

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0004
0.100	0.100	-0.0002
0.200	0.200	-0.0000
0.300	0.300	0.0000

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-000860	Polk CSO	03/08/2023	TDG MK

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					
POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/08/2023 Software: 8100.27		POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/08/2023 Software: 8100.27		POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/08/2023 Software: 8100.27		POLK COUNTY SO Intoxilyzer - Alcohol Analyzer Model 8000 SN 80-000860 03/08/2023 Software: 8100.27					
Test	g/210L	Time	Test	g/210L	Time	Test	g/210L	Time			
Air Blank	0.000	11:06	Air Blank	0.000	11:14	Air Blank	0.000	11:20	Air Blank	0.000	11:26
Control Test	0.050	11:07	Control Test	0.078	11:14	Control Test	0.198	11:21	Control Test	0.080	11:26
Air Blank	0.000	11:08	Air Blank	0.000	11:15	Air Blank	0.000	11:22	Air Blank	0.000	11:26
Control Test	0.048	11:08	Control Test	0.078	11:16	Control Test	0.198	11:22	Control Test	0.079	11:27
Air Blank	0.000	11:09	Air Blank	0.000	11:16	Air Blank	0.000	11:23	Air Blank	0.000	11:27
Control Test	0.049	11:10	Control Test	0.078	11:17	Control Test	0.197	11:23	Control Test	0.079	11:28
Air Blank	0.000	11:10	Air Blank	0.000	11:17	Air Blank	0.000	11:24	Air Blank	0.000	11:28
Control Test Stats			Control Test Stats			Control Test Stats			Control Test Stats		
Average	0.0490		Average	0.0780		Average	0.1977		Average	0.0793	
Std Dev	0.0010		Std Dev	0.0000		Std Dev	0.0006		Std Dev	0.0006	
Rel Std Dev(%)	2.0408		Rel Std Dev(%)	0.0000		Rel Std Dev(%)	0.2921		Rel Std Dev(%)	0.7277	
Operator's Signature			Operator's Signature			Operator's Signature			Operator's Signature		

Comments:

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: POLK COUNTY SO
Time of Inspection: 13:22

Date of Inspection: 03/08/2023

Serial Number: 80-000860
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#:AG223802 Exp: 08/26/2024
0.000	0.049	0.077	0.197	0.079
0.000	0.049	0.078	0.198	0.078
0.000	0.049	0.078	0.198	0.078
0.000	0.049	0.078	0.198	0.077
0.000	0.049	0.078	0.198	0.078
0.000	0.050	0.078	0.198	0.078
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.078	0.198	0.078
0.000	0.049	0.078	0.198	0.078

Standard Deviations	0.0003	0.0003	0.0003	0.0006
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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.



TAYLOR D GUTSCHOW

Signature and Printed Name

03/08/2023
Date



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-000860, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000860</u>	UNCERTAINTY* \pm	
Owning Agency:	<u>POLK COUNTY SO</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>03/08/2023</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>13:22</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.

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03/08/2023

Date


TAYLOR D GUTSCHOW,
Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

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