



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 80-000790, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000790</u>	UNCERTAINTY* $\pm$
Owning Agency:	<u>VERO BEACH P.D.</u>	0.050 g/ 210 L 0.004
Calibration Date:	<u>07/12/2022</u>	0.080 g/ 210 L 0.004
Calibration Time:	<u>11:00</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.

07/12/2022

Date

DAVID E REYES-RIVERA,

Department Inspector

FDLE/ATP Form 69 December 2021

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: VERO BEACH P.D.
Time of Inspection: 11:00

Date of Inspection: 07/12/2022

Serial Number: 80-000790
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#:AG115904 Exp: 06/08/2023
0.000	0.048	0.078	0.197	0.077
0.000	0.048	0.077	0.197	0.077
0.000	0.048	0.078	0.198	0.077
0.000	0.048	0.077	0.197	0.077
0.000	0.048	0.077	0.197	0.077
0.000	0.048	0.077	0.197	0.077
0.000	0.048	0.077	0.197	0.077
0.000	0.048	0.077	0.197	0.076
0.000	0.048	0.077	0.197	0.076

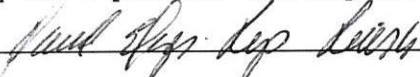
Standard Deviations	0.0000	0.0004	0.0003	0.0004
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 Number of Simulators Used: 5

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

DAVID E REYES-RIVERA

07/12/2022
Date

Florida Department of Law Enforcement Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: VERO BEACH P.D.

Time of Inspection: 09:34

Date of Inspection: 07/06/2022

Serial Number: 80-000790

Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted		No
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:

BYPASSED TO OPERATE INSTRUMENT

Not determined ^{MG} 07/06/2022

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.

Taylor D Gutschow

TAYLOR D GUTSCHOW

Signature and Printed Name

07/06/2022
Date

Florida Department of Law Enforcement Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: VERO BEACH P.D.

Time of Inspection: 06:53

Date of Inspection: 07/12/2022

Serial Number: 80-000790

Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted		No
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:

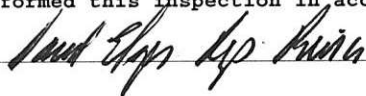
Number of Simulators Used: _____

Remarks:

COMPLIANCE NOT DETERMINED, AI NOT CONDUCTED.

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.



DAVID E REYES-RIVERA

Signature and Printed Name

07/12/2022
Date

VERO BEACH P.D.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-000790

07/06/2022

Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

SQRT(Diff)) = 6.242

2: Rate (Liters/min) = 15

SQRT(Diff)) = 11.312

3: Rate (Liters/min) = 30

SQRT(Diff)) = 20.492

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 680

Rounded Intercept = -539904

Correlation = 0.99875

~~0~~ ML

Flow Calibration

80-000790

ML

7/6/2022

VERO BEACH P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000790
07/06/2022
Software: 8100.27

#2

Test	g/210L	Time
Air Blānk	0.000	10:31
Control Test	0.050 ✓	10:31
Air Blank	0.000	10:32
Control Test	0.049 ✓	10:33
Air Blank	0.000	10:33
Control Test	0.048 ✓	10:34
Air Blank	0.000	10:34
Control Test Stats		
Average	0.0490	
Std Dev	0.0010	
Rel Std Dev(%)	2.0408	

ML

Operator's Signature

0.05 #1

VERO BEACH P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000790
07/06/2022
Software: 8100.27

Test g/210L Time

Results from the first 0.05 Stability Check did not print on internal printer. Repeated the 0.05 Stability and printed to an external printer. Results within the acceptable range.

ML
7/6/2022

VERO BEACH P.D.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-000790

07/06/2022

Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:41
Control Test	0.079 ✓	10:42
Air Blank	0.000	10:42
Control Test	0.079 ✓	10:43
Air Blank	0.000	10:43
Control Test	0.079 ✓	10:44
Air Blank	0.000	10:45
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Wet - Bath

MG

Operator's Signature

VERO BEACH P.D.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-000790

07/06/2022

Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:48
Control Test	0.199 ✓	10:48
Air Blank	0.000	10:49
Control Test	0.198 ✓	10:50
Air Blank	0.000	10:50
Control Test	0.198 ✓	10:51
Air Blank	0.000	10:51
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	



Operator's Signature

VERO BEACH P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000790
07/06/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:53
Control Test	0.076 X	10:53
Air Blank	0.000	10:54
Control Test	0.077 ✓	10:54
Air Blank	0.000	10:54
Control Test	0.078 ✓	10:55
Air Blank	0.000	10:55
Control Test Stats		
Average	0.0770	
Std Dev	0.0010	
Rel Std Dev(%)	1.2987	

DGS

MG

Operator's Signature

First control test outside nominal. Will perform an optical cal adjustment.

MG
07/06/2022

VERO BEACH P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000790
07/06/2022 10:59:26

Optical Calibration
80-000790
7/6/2022
ML

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	0.1270	(-0.0140)	0.1370	(-0.0110)	
Sample #2	0.1210	(0.0130)	0.1140	(0.0140)	
Sample #3	0.1360	(0.0220)	0.1140	(0.0140)	
Sample #4	0.1320	(0.0500)	0.1260	(0.0180)	
Avg % Abs	0.1297	(0.0283)	0.1180	(0.0153)	
STD DEV	0.0078	(0.0193)	0.0069	(0.0023)	
REL STD DEV	5.990	(68.103)	5.871	(15.061)	

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.9020	(-0.0060)	1.5350	(-0.0040)	
Sample #2	0.9060	(-0.0130)	1.5150	(0.0000)	
Sample #3	0.9130	(0.0010)	1.5140	(0.0170)	
Sample #4	0.9240	(-0.0070)	1.5370	(-0.0080)	
Avg % Abs	0.9143	(-0.0063)	1.5220	(0.0030)	
STD DEV	0.0091	(0.0070)	0.0130	(0.0128)	
REL STD DEV	0.992	(110.902)	0.854	(425.572)	

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	2.1000	(-0.0060)	3.6100	(-0.0020)	
Sample #2	2.0660	(0.0200)	3.5960	(0.0120)	
Sample #3	2.0620	(0.0030)	3.5790	(0.0050)	
Sample #4	2.0810	(-0.0060)	3.5980	(0.0000)	
Avg % Abs	2.0697	(0.0057)	3.5910	(0.0057)	
STD DEV	0.0100	(0.0132)	0.0104	(0.0060)	
REL STD DEV	0.484	(233.004)	0.291	(106.371)	

Solution = 0.200 g/210L or 0.9524 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	3.9680	(-0.0190)	6.8470	(-0.0010)	
Sample #2	3.9560	(0.0110)	6.8600	(0.0280)	
Sample #3	3.9430	(-0.0070)	6.8510	(0.0180)	
Sample #4	3.9550	(0.0170)	6.8620	(0.0210)	
Avg % Abs	3.9513	(0.0070)	6.8577	(0.0223)	
STD DEV	0.0072	(0.0125)	0.0059	(0.0051)	
REL STD DEV	0.183	(178.428)	0.085	(22.977)	

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	5.7730	(-0.0060)	9.9930	(-0.0160)	
Sample #2	5.7410	(-0.0030)	9.9230	(0.0120)	
Sample #3	5.7560	(0.0140)	9.9280	(0.0280)	
Sample #4	5.7410	(0.0130)	9.9400	(0.0160)	
Avg % Abs	5.7460	(0.0080)	9.9303	(0.0187)	
STD DEV	0.0087	(0.0095)	0.0087	(0.0083)	
REL STD DEV	0.151	(119.242)	0.088	(44.607)	

VERO BEACH P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000790
07/06/2022 10:59:26

Optical Calibration
80-000790
7/6/2022
MG

Auto Calibration

pg 2 of 2

<<<< 3um >>>>

Zero Order Coef -303.39
First Order Coef 2386.93
Second Order Coef 26.30

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

<<<< 9um >>>>

-146.49
1318.10
13.58

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0002
0.040	0.040	0.0003
0.100	0.100	-0.0000
0.200	0.200	-0.0002
0.300	0.300	0.0001

<<<< 3um >>>> <<<< 9um >>>>

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1 3007.00 3322.00
Sample #2 3092.00 3352.00
Sample #3 3063.00 3372.00
Sample #4 3069.00 3338.00
Avg 3074.6667 3354.0000
STD DEV 15.3080 17.0880
REL STD DEV 0.498 0.509
H2O adjust (mg/l*10k) 735 455

Barometric Pressure = 1015

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

Post-Cal

VERO BEACH P.D.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-000790

07/06/2022

Software: 8100.27

Test	g/210L	Time
Air Blānk	0.000	12:14
Control Test	0.049 ✓	12:15
Air Blank	0.000	12:16
Control Test	0.048 ✓	12:16
Air Blank	0.000	12:17
Control Test	0.048 ✓	12:18
Air Blank	0.000	12:18
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

ML

Operator's Signature

Post-Cal

VERO BEACH P.D.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-000790

07/06/2022

Software: 8100.27

Test	g/210L	Time
Air Blānk	0.000	12:08
Control Test	0.078 ✓	12:09
Air Blank	0.000	12:09
Control Test	0.078 ✓	12:10
Air Blank	0.000	12:11
Control Test	0.078 ✓	12:11
Air Blank	0.000	12:12
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Wet - Bath

ML

Operator's Signature

Post-Cal

VERO BEACH P.D.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000790
07/06/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:01
Control Test	0.199	12:02
Air Blank	0.000	12:03
Control Test	0.198	12:03
Air Blank	0.000	12:04
Control Test	0.198	12:05
Air Blank	0.000	12:05
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

MB

Operator's Signature

Post-Cal

VERO BEACH P.D.

Intoxilyzer - Alcohol Analyzer

Model 8000

SN 80-000790

07/06/2022

Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:55
Control Test	0.078 ✓	11:56
Air Blank	0.000	11:56
Control Test	0.078 ✓	11:57
Air Blank	0.000	11:57
Control Test	0.078 ✓	11:57
Air Blank	0.000	11:58
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

D65

MG

Operator's Signature