



Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2729 Fort Knox Blvd.
Bldg. 2, Suite 1300
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001065, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001065</u>	UNCERTAINTY* ±	
Owning Agency:	<u>TARPON SPRINGS PD</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>08/19/2020</u>	0.080 g/ 210 L	0.005
Calibration Time:	<u>14:51</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. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses 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.

Shayla Platt

08/19/2020

Date

SHAYLA D PLATT,
Department Inspector

FDLE/ATP Form 69 April 2020

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

DERR
Digitally signed
by DERR
Date: 2020.08.19
15:57:44 -0400

BK
2020.08.20
07:54:56
-0400

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: TARPON SPRINGS PD
Time of Inspection: 14:51

Date of Inspection: 08/19/2020

Serial Number: 80-001065
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#:201905A Exp: 05/14/2021	0.08g/210L Test (g/210L) Lot#:201905B Exp: 05/14/2021	0.20g/210L Test (g/210L) Lot#:201904D Exp: 04/30/2021	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG931603 Exp: 11/12/2021
0.000	0.049	0.079	0.202	0.079
0.000	0.049	0.080	0.201	0.079
0.000	0.049	0.080	0.202	0.079
0.000	0.050	0.081	0.202	0.079
0.000	0.049	0.080	0.202	0.080
0.000	0.049	0.080	0.201	0.080
0.000	0.050	0.080	0.201	0.079
0.000	0.050	0.080	0.202	0.079
0.000	0.050	0.079	0.202	0.080
0.000	0.049	0.080	0.201	0.079

Standard Deviations	0.0005	0.0005	0.0005	0.0004
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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.

Shayla Platt

SHAYLA D PLATT

Signature and Printed Name

08/19/2020
Date


DERR
Digitally signed by DERR
Date: 2020.08.19 15:56:54 -0400

BK 2020.08.2 0 07:55:01 -0400

Stability Checks

TARPON SPRINGS PD
 Intoxilyzer - Alcohol Analyzer
 Model 8100 SN 80-001065
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:23
Control Test	0.046	10:24
Air Blank	0.000	10:24
Control Test	0.047	10:25
Air Blank	0.000	10:26
Control Test	0.046	10:26
Air Blank	0.000	10:27
Control Test Stats		
Average	0.0463	
Std Dev	0.0006	
Rel Std Dev(%)	1.3461	


 Operator's Signature

TARPON SPRINGS PD
 Intoxilyzer - Alcohol Analyzer
 Model 8100 SN 80-001065
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:28
Control Test	0.076	10:29
Air Blank	0.000	10:29
Control Test	0.076	10:30
Air Blank	0.000	10:30
Control Test	0.076	10:31
Air Blank	0.000	10:32
Control Test Stats		
Average	0.0760	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Wet


 Operator's Signature

TARPON SPRINGS PD
 Intoxilyzer - Alcohol Analyzer
 Model 8100 SN 80-001065
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:33
Control Test	0.196	10:33
Air Blank	0.000	10:34
Control Test	0.195	10:35
Air Blank	0.000	10:35
Control Test	0.195	10:36
Air Blank	0.000	10:36
Control Test Stats		
Average	0.1953	
Std Dev	0.0006	
Rel Std Dev(%)	0.2956	


 Operator's Signature

TARPON SPRINGS PD
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-001065
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:37
Control Test	0.079	10:38
Air Blank	0.000	10:38
Control Test	0.080	10:38
Air Blank	0.000	10:39
Control Test	0.080	10:39
Air Blank	0.000	10:40
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

Dry


 Operator's Signature

Digitally signed
 by DERR
 Date: 2020.08.19
 15:56:15 -04'00'

BK 2020.08.20
 07:55:23
 -04'00'

TARPON SPRINGS PD
 Intoxilyzer - Alcohol Analyser
 Model 8000
 08/19/2020

Auto Calibration
 Max Power Res Value = 21
 Auto Range Res Value = 11

Sol Value = 0.000 g/210L ***
 Fit value = 0.0000 mg/l %%%
 Samples Taken = 4, Discarded = 1
 Sum Io = 12368, Sum Lo = 14142

Channel 1 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.0330 (-0.0230)
 Sample #2 = 0.0380 (0.0940)
 Sample #3 = 0.0800 (-0.0160)
 Sample #4 = 0.0530 (-0.0210)
 Avg % Abs = 0.0570 (-0.0110)
 STD DEV = 0.0213 (0.0132)
 REL STD DEV = 37.340 (120.261)

Channel 2 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.0840 (-0.0030)
 Sample #2 = 0.0570 (0.0130)
 Sample #3 = 0.1470 (-0.0200)
 Sample #4 = 0.0900 (-0.0110)
 Avg % Abs = 0.0980 (-0.0060)
 STD DEV = 0.0455 (0.0171)
 REL STD DEV = 46.459 (284.312)

Sol Value = 0.040 g/210L ***
 Fit value = 0.1905 mg/l %%%
 Samples Taken = 4, Discarded = 1
 Sum Io = 12364, Sum Lo = 14137

Channel 1 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 0.7420 (-0.0150)
 Sample #2 = 0.7230 (0.0040)
 Sample #3 = 0.7460 (-0.0160)
 Sample #4 = 0.7110 (-0.0080)
 Avg % Abs = 0.7267 (-0.0067)
 STD DEV = 0.0178 (0.0101)
 REL STD DEV = 2.448 (150.997)

Channel 2 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 1.4840 (-0.0440)
 Sample #2 = 1.4260 (0.0000)
 Sample #3 = 1.4630 (-0.0110)
 Sample #4 = 1.4090 (-0.0020)
 Avg % Abs = 1.4327 (-0.0043)
 STD DEV = 0.0276 (0.0059)
 REL STD DEV = 1.927 (135.218)

Sol Value = 0.100 g/210L ***
 Fit value = 0.4762 mg/l %%%
 Samples Taken = 4, Discarded = 1
 Sum Io = 12365, Sum Lo = 14142

Channel 1 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 1.7530 (0.0010)
 Sample #2 = 1.7510 (0.0120)
 Sample #3 = 1.7280 (0.0120)
 Sample #4 = 1.7260 (0.0390)
 Avg % Abs = 1.7350 (0.0210)
 STD DEV = 0.0139 (0.0156)
 REL STD DEV = 0.801 (74.231)

Channel 2 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 3.4840 (0.0160)
 Sample #2 = 3.3910 (0.0770)
 Sample #3 = 3.4360 (0.0440)
 Sample #4 = 3.4150 (0.0630)
 Avg % Abs = 3.4140 (0.0613)
 STD DEV = 0.0225 (0.0166)
 REL STD DEV = 0.660 (27.005)

Sol Value = 0.200 g/210L ***
 Fit value = 0.9524 mg/l %%%
 Samples Taken = 4, Discarded = 1
 Sum Io = 12360, Sum Lo = 14132

Channel 1 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 3.3630 (-0.0040)
 Sample #2 = 3.3840 (0.0380)
 Sample #3 = 3.3650 (0.0490)
 Sample #4 = 3.3620 (0.0270)
 Avg % Abs = 3.3703 (0.0380)
 STD DEV = 0.0119 (0.0110)
 REL STD DEV = 0.354 (28.947)

Channel 2 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 6.6720 (-0.0310)
 Sample #2 = 6.6060 (0.0540)
 Sample #3 = 6.5950 (0.0560)
 Sample #4 = 6.6010 (0.0430)
 Avg % Abs = 6.6007 (0.0510)
 STD DEV = 0.0055 (0.0070)
 REL STD DEV = 0.083 (13.725)

Sol Value = 0.300 g/210L ***
 Fit value = 1.4286 mg/l %%%
 Samples Taken = 4, Discarded = 1
 Sum Io = 12360, Sum Lo = 14132

Channel 1 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 4.9900 (-0.0100)
 Sample #2 = 4.9100 (0.0490)
 Sample #3 = 4.9130 (0.0780)
 Sample #4 = 4.8980 (0.0610)
 Avg % Abs = 4.9070 (0.0627)
 STD DEV = 0.0079 (0.0146)
 REL STD DEV = 0.162 (23.253)

Channel 2 Data:
 Sample % Abs (% Abs Ref)
 Sample #1 = 9.6470 (-0.0240)
 Sample #2 = 9.5420 (0.0920)
 Sample #3 = 9.5210 (0.1160)
 Sample #4 = 9.5120 (0.0970)
 Avg % Abs = 9.5250 (0.1017)
 STD DEV = 0.0154 (0.0127)
 REL STD DEV = 0.162 (12.455)

Channel 1 Data:
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.057
 Std Dev = 0.02 Rel Std Dev = 37.34
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 0.727
 Std Dev = 0.02 Rel Std Dev = 2.45
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 1.735
 Std Dev = 0.01 Rel Std Dev = 0.80
 Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs = 3.370
 Std Dev = 0.01 Rel Std Dev = 0.35
 Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs = 4.907
 Std Dev = 0.01 Rel Std Dev = 0.16
 Zero Order Coef = -133.39
 First Order Coef = 2742.17
 Second Order Coef = 39.47
 Standard Deviation = 26.268280

Channel 2 Data:
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.057
 Std Dev = 0.02 Rel Std Dev = 37.34
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 0.727
 Std Dev = 0.02 Rel Std Dev = 2.45
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 1.735
 Std Dev = 0.01 Rel Std Dev = 0.80
 Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs = 3.370
 Std Dev = 0.01 Rel Std Dev = 0.35
 Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs = 4.907
 Std Dev = 0.01 Rel Std Dev = 0.16
 Zero Order Coef = -133.39
 First Order Coef = 2742.17
 Second Order Coef = 39.47
 Standard Deviation = 26.268280

Channel 2 Data:
 Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs = 0.057
 Std Dev = 0.02 Rel Std Dev = 37.34
 Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs = 0.727
 Std Dev = 0.02 Rel Std Dev = 2.45
 Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs = 1.735
 Std Dev = 0.01 Rel Std Dev = 0.80
 Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs = 3.370
 Std Dev = 0.01 Rel Std Dev = 0.35
 Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs = 4.907
 Std Dev = 0.01 Rel Std Dev = 0.16
 Zero Order Coef = -133.39
 First Order Coef = 2742.17
 Second Order Coef = 39.47
 Standard Deviation = 26.268280

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0005
0.040	0.039	0.0005
0.100	0.100	0.0004
0.200	0.201	-0.0007
0.300	0.300	0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.001	-0.0005
0.040	0.039	0.0005
0.100	0.099	0.0006
0.200	0.201	-0.0009
0.300	0.300	0.0004

Sol Value = 0.000 g/210L ***
 Fit value = 0.3810 mg/l %%%
 Samples Taken = 4, Discarded = 1
 Channel 1:
 Sample #1 = 3422.00
 Sample #2 = 3458.00
 Sample #3 = 3444.00
 Sample #4 = 3398.00
 Average Result = 3433.3333
 STD DEV = 31.3900
 REL STD DEV = 0.914

Channel 2:
 Sample #1 = 3456.00
 Sample #2 = 3529.00
 Sample #3 = 3510.00
 Sample #4 = 3528.00
 Average Result = 3528.3333
 STD DEV = 10.6927
 REL STD DEV = 0.304

Dry Gas H2O Adjust Results
 Barometric Pressure = 1009
 3 um H2O Adjust (mg/l*10,000) = 376
 9 um H2O Adjust (mg/l*10,000) = 287
 **** AUTO CAL PASS

CAL ADJUSTMENT
 SP

DERR
 Digitally signed by DERR
 Date: 2020.08.19 15:55:29 -0400

BK 2020.08.20 07:55:51 -0400

Post Cal Adjust Stability Checks # 80-001065

TARPON SPRINGS PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001065
08/19/2020
Software: 8100.27

Test	g/21.0L	Time
Air Blank	0.000	11:19
Control Test	0.049	
Air Blank	0.000	
Control Test	0.050	
Air Blank	0.000	11:22
Control Test	0.049	11:23
Air Blank	0.000	11:23
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

SP

Operator's Signature

TARPON SPRINGS PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001065
08/19/2020
Software: 8100.27

Test	g/21.0L	Time
Air Blank	0.000	11:24
Control Test	0.080	11:25
Air Blank	0.000	11:25
Control Test	0.079	11:26
Air Blank	0.000	11:27
Control Test	0.080	11:27
Air Blank	0.000	11:28
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

SP

Operator's Signature

TARPON SPRINGS PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001065
08/19/2020
Software: 8100.27

Test	g/21.0L	Time
Air Blank	0.000	11:33
Control Test	0.203	11:34
Air Blank	0.000	11:34
Control Test	0.200	11:35
Air Blank	0.000	11:36
Control Test	0.200	11:36
Air Blank	0.000	11:37
Control Test Stats		
Average	0.2010	
Std Dev	0.0017	
Rel Std Dev(%)	0.8617	

SP

Operator's Signature

TARPON SPRINGS PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001065
08/19/2020
Software: 8100.27

Test	g/21.0L	Time
Air Blank	0.000	11:13
Control Test	0.079	11:14
Air Blank	0.000	11:14
Control Test	0.080	11:15
Air Blank	0.000	11:15
Control Test	0.082	11:15
Air Blank	0.000	11:16
Control Test Stats		
Average	0.0803	
Std Dev	0.0015	
Rel Std Dev(%)	1.9015	

DOS

SP

Operator's Signature