FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Brevard CSO S/N 80-001264

Date In 11/03/2020 DI Completion Date 11/04/2020 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By TDG

- ☑ Annual
- ☐ Registration
- ☐ Return from CMI / EE

Visual Inspection:

☑ Case	☑ Handle
☑ Keyboard	☑ Dry Gas Shelf
☑ Feet	☑ Breath Tube
☑ Ports	☑ Screws Tight

Other Equipment/ Accessories:

☑ Power cord	☐ Printer Cable
☑ Static Bag	☐ 12V DC Cable

Notes: _____

Final Release Date

FDLE Alcohol Testing Program

Digitally signed by FDLE Alcohol Testing Program
Date: 2020.11.09 08:25:34 -05'00'

Quality Checks Performed By TDG

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 129
- ☑ Flow Verification (L/s)

Flow Column # ATP106

32 mm	0.136	(.139 - .169)
36 mm	0.156	(.156 - .190)
53 mm	0.238	(.228 - .278)
103 mm	0.476	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 68639

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP4863	201905A
		05/14/2021
0.080	MP4864	201905B
		05/14/2021
0.200	MP5097	201904D
		04/30/2021
0.080 DGS	N/A	AG003005
		01/30/2022

Flow Calibration Performed By MH

Flow Column # ATP 101

- ☑ 5L/min – 17mm
- ☑ 15L/min – 53mm
- ☑ 30L/min – 103mm
- ☑ R-Value 130/130
- ☑ Post Calibration Verification (L/s)

Flow Column # ATP 106

32 mm	0.136/0.144	(.139 - .169)
36 mm	0.152/0.156	(.156 - .190)
53 mm	0.238/0.234	(.228 - .278)
103 mm	0.496/0.492	(.447 - .547)

Maintenance Performed By _____

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other _____

Temperature Checks Performed By TDC

- ☑ Lab Temp °C 22.37

External Digital Therm. ID#: 300504

- ☑ 34°C +-.2 Serial #: MP4863
- ☑ 34°C +-.2 Serial #: MP4864
- ☑ 34°C +-.2 Serial #: MP5097

Calibration Adjustment Performed By MH

Barometric Pressure Gauge 1020 ID # 28663

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5095	N/A	N/A
0.040	MP5098	20060	02/10/2022
0.100	MP5099	20190	04/06/2022
0.200	MP5100	20160	03/18/2022
0.300	MP5101	20030	01/21/2022
0.080 DGS	N/A	08819080A1	06/05/2021

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	MP4863	201905A	05/14/2021
0.080	MP4864	201905B	05/14/2021
0.200	MP5097	201904D	04/30/2021
0.080 DGS	N/A	AG003005	01/30/2022

Department Inspection Performed By MH

Barometric Pressure ID# 28199

Gauge 1020 Instrument 1019

Mouth Alcohol Solution Lot # 2020-A

Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	SD1014
Interferent	SD1015
0.050	MP4863
0.080	MP4864
0.200	MP5097

Attachments

☑ Form 41	☑ Post-Stability Checks
☑ Stability Checks	☑ Flow Calibration
☑ Calibration Certificate	☐ Form 40
☑ Calibration Adjustment	☐ Other _____

Notes/Suggested Service: _____

- ☑ **Instrument Complies with Chapter 11D-8, FAC**
- ☐ **Instrument Does Not Comply with Chapter 11D-8, FAC**
- ☑ **Return to/Place into Evidentiary Use**
- ☐ **Remain Out of Evidentiary Use**
- ☑ **Conduct an Agency Inspection Before Evidentiary Use**

Israel Soto 11-05-2020
Tech Review / Date

2020.11.09 08:24:20 -05'00'
Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BREVARD COUNTY S.O.
Time of Inspection: 15:55
Date of Inspection: 11/04/2020
Serial Number: 80-001264
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#:AG003005 Exp: 01/30/2022
0.000	0.048	0.078	0.198	0.078
0.000	0.048	0.078	0.199	0.079
0.000	0.048	0.078	0.199	0.078
0.000	0.048	0.077	0.199	0.078
0.000	0.048	0.078	0.200	0.079
0.000	0.049	0.078	0.199	0.079
0.000	0.048	0.078	0.199	0.079
0.000	0.048	0.078	0.199	0.079
0.000	0.048	0.078	0.199	0.079
0.000	0.048	0.078	0.199	0.079

Standard Deviations	0.0003	0.0003	0.0004	0.0004

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

Remarks:

2020.11.09 08:23:34 -05'00'

The above instrument complies (X) 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.

MICHAEL D HAUGHEY
Signature and Printed Name

11/04/2020
Date

FDLE/ATP Form 41 –Revised August 2005

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-00 1264	Brevard CSO	11/04/2020	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 X ≤0.003 of Wet X

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.050	09:47
Air Blank	0.000	09:47
Control Test	0.050	09:48
Air Blank	0.000	09:49
Control Test	0.050	09:49
Air Blank	0.000	09:50
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MG
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:53
Control Test	0.081	09:54
Air Blank	0.000	09:55
Control Test	0.080	09:55
Air Blank	0.000	09:56
Control Test	0.080	09:57
Air Blank	0.000	09:57
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

MG
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:01
Control Test	0.201	10:02
Air Blank	0.000	10:02
Control Test	0.199	10:03
Air Blank	0.000	10:03
Control Test	0.199	10:04
Air Blank	0.000	10:05
Control Test Stats		
Average	0.1997	
Std Dev	0.0012	
Rel Std Dev(%)	0.5783	

MG
Operator's Signature

DGS

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:06
Control Test	0.076	10:06
Air Blank	0.000	10:07
Control Test	0.077	10:07
Air Blank	0.000	10:08
Control Test	0.078	10:08
Air Blank	0.000	10:08
Control Test Stats		
Average	0.0770	
Std Dev	0.0010	
Rel Std Dev(%)	1.2987	

MG
Operator's Signature

Comments: Failed stabilities. Will perform an optical calibration. MG 11/04/2020

2020.11.09 08:22:42 -05'00'

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 80-001264 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001264
Owning Agency:	BREVARD COUNTY S.O.
Calibration Date:	11/04/2020
Calibration Time:	15:55

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
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.

11/04/2020
Date

MICHAEL D HAUGHEY,
Department Inspector

2020.11.09 08:22:10 -05'00'

FDLE/ATP Form 69 April 2020
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

INTOXILYZER 8000
Instrument Initialization
12:23 11/04/2020

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020 12:53:12

Auto Calibration

Max Power Res Value = 21
Auto Range Res Value = 9

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12610, 9um Io = 13294

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1150	(0.0030)
Sample #2 =	0.1190	(0.0310)
Sample #3 =	0.1280	(0.0540)
Sample #4 =	0.1300	(0.0650)

Avg % Abs = 0.1257 (0.0500)
STD DEV = 0.0059 (0.0173)
REL STD DEV = 4.663 (34.699)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1350	(0.0070)
Sample #2 =	0.1300	(0.0090)
Sample #3 =	0.1280	(0.0190)
Sample #4 =	0.1250	(0.0250)

Avg % Abs = 0.1277 (0.0177)
STD DEV = 0.0025 (0.0081)
REL STD DEV = 1.971 (45.752)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12597, 9um Io = 13289

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8900	(-0.0170)
Sample #2 =	0.8470	(0.0260)
Sample #3 =	0.8570	(0.0320)
Sample #4 =	0.8520	(0.0520)

Avg % Abs = 0.8520 (0.0367)
STD DEV = 0.0050 (0.0136)
REL STD DEV = 0.587 (37.128)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5340	(-0.0020)
Sample #2 =	1.4760	(0.0630)
Sample #3 =	1.5070	(0.0400)
Sample #4 =	1.4910	(0.0710)

Avg % Abs = 1.4913 (0.0580)
STD DEV = 0.0155 (0.0161)
REL STD DEV = 1.040 (27.747)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12587, 9um Io = 13279

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	2.0020	(-0.0240)
Sample #2 =	1.9760	(0.0260)
Sample #3 =	1.9940	(0.0310)
Sample #4 =	2.0000	(0.0410)

Avg % Abs = 1.9930 (0.0327)
STD DEV = 0.0125 (0.0076)
REL STD DEV = 0.628 (23.380)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5370	(-0.0260)
Sample #2 =	3.5090	(0.0300)
Sample #3 =	3.5090	(0.0290)
Sample #4 =	3.5260	(0.0360)

Avg % Abs = 3.5147 (0.0317)
STD DEV = 0.0098 (0.0038)
REL STD DEV = 0.279 (11.956)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12582, 9um Io = 13275

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8140	(0.0020)
Sample #2 =	3.8340	(-0.0040)
Sample #3 =	3.8120	(0.0260)
Sample #4 =	3.8030	(0.0510)

Avg % Abs = 3.8163 (0.0243)
STD DEV = 0.0159 (0.0275)
REL STD DEV = 0.418 (113.169)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7820	(-0.0160)
Sample #2 =	6.8080	(-0.0020)
Sample #3 =	6.7190	(0.0870)
Sample #4 =	6.7130	(0.1110)

Avg % Abs = 6.7467 (0.0653)
STD DEV = 0.0532 (0.0595)
REL STD DEV = 0.789 (91.124)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12576, 9um Io = 13270

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.5530	(-0.0110)
Sample #2 =	5.5670	(0.0070)
Sample #3 =	5.5000	(0.0760)
Sample #4 =	5.4840	(0.1060)

Avg % Abs = 5.5170 (0.0630)
STD DEV = 0.0440 (0.0508)
REL STD DEV = 0.798 (80.578)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7790	(0.0020)
Sample #2 =	9.8080	(0.0000)
Sample #3 =	9.6870	(0.1110)
Sample #4 =	9.6990	(0.1240)

Avg % Abs = 9.7313 (0.0783)
STD DEV = 0.0667 (0.0681)
REL STD DEV = 0.685 (86.999)

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

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.126
Std Dev = 0.01 Rel Std Dev = 4.66
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.852
Std Dev = 0.00 Rel Std Dev = 0.59
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.990
Std Dev = 0.01 Rel Std Dev = 0.63
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.816
Std Dev = 0.02 Rel Std Dev = 0.42
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.517
Std Dev = 0.04 Rel Std Dev = 0.80
Zero Order Coef = -263.82
First Order Coef = 2450.96
Second Order Coef = 33.11
Standard Deviation = 45.250523

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.128
Std Dev = 0.00 Rel Std Dev = 1.97
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.491
Std Dev = 0.02 Rel Std Dev = 1.04
Sol Val = 0.4752 mg/l or 0.100 g/210L
% Abs = 3.515
Std Dev = 0.01 Rel Std Dev = 0.28
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.747
Std Dev = 0.05 Rel Std Dev = 0.79
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.731
Std Dev = 0.07 Rel Std Dev = 0.69
Zero Order Coef = -149.95
First Order Coef = 1341.06
Second Order Coef = 14.49
Standard Deviation = 25.703838

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.001	-0.0009
0.140	0.139	0.0012
0.100	0.100	0.0004
0.200	0.201	-0.0010
0.300	0.300	0.0004

Solution Stats Quadratic Fit Chan 2

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

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2921.00
Sample #2 = 2947.00
Sample #3 = 3063.00
Sample #4 = 3002.00
Average Result = 3004.0000
STD DEV = 58.0259
REL STD DEV = 1.932
****
***** CHANNEL 2
Sample #1 = 3252.00
Sample #2 = 3302.00
Sample #3 = 3324.00
Sample #4 = 3322.00
Average Result = 3316.0000
STD DEV = 12.1655
REL STD DEV = 0.367
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1020
3 um H20 Adjust (mg/l*10,000) = 805
9 um H20 Adjust (mg/l*10,000) = 493
**** AUTO CAL PASS

80-001264
Cal Adj
11/4/2020
MK

2020.11.09 08:21:36 -05'00'

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities Post	80-001264	Brevard County SO	11/4/2020	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 ☑

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:38
Control Test	0.049	13:39
Air Blank	0.000	13:39
Control Test	0.047	13:40
Air Blank	0.000	13:41
Control Test	0.048	13:41
Air Blank	0.000	13:42
Control Test Stats		
Average	0.0480	
Std Dev	0.0010	
Rel Std Dev(%)	2.0833	

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:43
Control Test	0.079	13:44
Air Blank	0.000	13:44
Control Test	0.078	13:45
Air Blank	0.000	13:46
Control Test	0.079	13:46
Air Blank	0.000	13:47
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:48
Control Test	0.199	13:49
Air Blank	0.000	13:49
Control Test	0.198	13:50
Air Blank	0.000	13:51
Control Test	0.197	13:51
Air Blank	0.000	13:52
Control Test Stats		
Average	0.1980	
Std Dev	0.0010	
Rel Std Dev(%)	0.5051	

Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:54
Control Test	0.078	13:54
Air Blank	0.000	13:55
Control Test	0.080	13:55
Air Blank	0.000	13:55
Control Test	0.080	13:56
Air Blank	0.000	13:56
Control Test Stats		
Average	0.0793	
Std Dev	0.0012	
Rel Std Dev(%)	1.4555	

Operator's Signature

2020.11.09 08:20:29 -05'00'

80-001264

Flow Calibration

11/4/2020

MM

#1

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.402
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.660
3: Rate (Liters/min) = 30
SQRT(Diff)) = 21.094
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 660
Rounded Intercept = -537112
Correlation = 0.99886

#2

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001264
11/04/2020
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.555
2: Rate (Liters/min) = 15
SQRT(Diff)) = 11.574
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.879
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 675
Rounded Intercept = -580884
Correlation = 0.99843

2020.11.09 08:19:55 -05'00'