FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Manatee County SO S/N 80-006559

Date In 4/20/2021 DI Completion Date 4/28/2021 ☐Ship ■P/U ☐H/D ☐CMI ☐EE

Intake By MH

- ■ 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:

Quality Checks By MH Date 04/23/2021

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 201
- ■ Flow Verification (L/s)

Flow Column # ATP 104

32 mm 0.144 (.139 - .169)
36 mm 0.164 (.156 - .190)
53 mm 0.234 (.228 - .278)
103 mm 0.496 (.447 - .547)

- ■ Barometric Pressure Check

Gauge ID # 28199

- ■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP4863	202010A
		10/05/2022
0.080	MP4864	202010B
		10/05/2022
0.200	MP5097	202010D
		10/06/2022
0.080 DGS	N/A	AG026705
		09/23/2022

Flow Calibration By ____ Date ____

Flow Column # ____

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

Flow Column # ____

32 mm ____ (.139 - .169)
36 mm ____ (.156 - .190)
53 mm ____ (.228 - .278)
103 mm ____ (.447 - .547)

Maintenance By ____

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

DI Temp. Checks By MH

- ■ Lab Temp °C 22.30

External Digital Therm. ID#: 300504

- ■ 34°C +-.2 Serial #: SD3967
- ■ 34°C +-.2 Serial #: SD3968
- ■ 34°C +-.2 Serial #: SD3969

Calibration Adjustment By MH

Barometric Pressure Gauge 1019 ID # 28663

Simulator	Serial #	Lot #	Expiration
0.000	SD1014	N/A	N/A
0.040	SD1015	20060	02/10/2022
0.100	MP4863	20420	09/22/2022
0.200	MP4864	20160	03/18/2022
0.300	MP5097	20030	01/21/2022
0.080 DGS	N/A	00521080A2	02/05/2023

- ■ Post Calibration Adjustment Stability Checks

Simulator	Serial #	Lot #	Expiration
0.050	SD3967	202010A	10/05/2022
0.080	SD3968	202010B	10/05/2022
0.200	SD3969	202010D	10/06/2022
0.080 DGS	N/A	AG026705	09/23/2022

Department Inspection By MH

Barometric Pressure ID# 68639

Gauge 1017 Instrument 1018

Mouth Alcohol Solution Lot # 2020-A

Acetone Stock Solution Lot # 2020-A

Simulator	Serial Number
0.000	SD3965
Interferent	SD3966
0.050	SD3967
0.080	SD3968
0.200	SD3969

Attachments

- ■ Form 41
- ■ Stability Checks
- ■ Calibration Certificate
- ■ Calibration Adjustment
- ■ Post-Stability Checks
- ☐ Flow Calibration
- ☐ Form 40
- ☐ Other ____

Notes/Suggested Service:

Quality Checks Barometric Pressure
Instrument: 996 Gauge: 1018
Post Calibration Gauge ID: 28199
Instrument: 1019 Gauge: 1019

- ■ **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**

Taylor Gutschow Digitally signed by Taylor Gutschow Date: 2021.04.29 10:02:05 -04'00'

Tech Review / Date

2021.04.30 11:54:45 -04'00'

Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MANATEE COUNTY SO
Time of Inspection: 14:21
Date of Inspection: 04/28/2021
Serial Number: 80-006559
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#:202010A Exp: 10/05/2022	0.08g/210L Test (g/210L) Lot#:202010B Exp: 10/05/2022	0.20g/210L Test (g/210L) Lot#:202010D Exp: 10/06/2022	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG026705 Exp: 09/23/2022
0.000	0.048	0.078	0.195	0.080
0.000	0.048	0.078	0.195	0.080
0.000	0.049	0.078	0.196	0.081
0.000	0.049	0.079	0.197	0.081
0.000	0.048	0.078	0.197	0.080
0.000	0.049	0.079	0.196	0.081
0.000	0.048	0.082	0.197	0.081
0.000	0.049	0.080	0.197	0.081
0.000	0.049	0.078	0.197	0.080
0.000	0.049	0.078	0.196	0.080

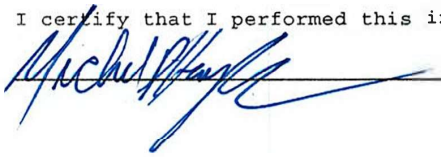
Standard Deviations	0.0005	0.0013	0.0008	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0007 Number of Simulators Used: 5

Remarks:

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

04/28/2021
Date

FDLE/ATP Form 41 –Revised August 2005

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities – Post	80-006559	Manatee County SO	04/28/2021	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 ☑

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/28/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:30
Control Test	0.049	10:30
Air Blank	0.000	10:31
Control Test	0.049	10:32
Air Blank	0.000	10:32
Control Test	0.049	10:33
Air Blank	0.000	10:33
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/28/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:47
Control Test	0.079	10:47
Air Blank	0.000	10:48
Control Test	0.078	10:49
Air Blank	0.000	10:49
Control Test	0.078	10:50
Air Blank	0.000	10:50
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/28/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:57
Control Test	0.197	10:58
Air Blank	0.000	10:58
Control Test	0.196	10:59
Air Blank	0.000	10:59
Control Test	0.197	11:00
Air Blank	0.000	11:01
Control Test Stats		
Average	0.1967	
Std Dev	0.0006	
Rel Std Dev(%)	0.2936	

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/28/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:21
Control Test	0.080	11:21
Air Blank	0.000	11:21
Control Test	0.080	11:22
Air Blank	0.000	11:22
Control Test	0.080	11:23
Air Blank	0.000	11:23
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/28/2021 09:04:26

Auto Calibration
Max Power Res Value = 100
Auto Range Res Value = 72

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12576, 9um Io = 12712

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0150	(-0.0150)
Sample #2 =	-0.0180	(0.0330)
Sample #3 =	-0.0140	(0.0420)
Sample #4 =	0.0320	(0.0390)

Avg % Abs = 0.0000 (0.0380)
STD DEV = 0.0278 (0.0046)
REL STD DEV = 2237534720.000 (12.059)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0930	(0.0010)
Sample #2 =	0.0750	(0.0270)
Sample #3 =	0.1090	(0.0080)
Sample #4 =	0.1090	(0.0160)

Avg % Abs = 0.0977 (0.0170)
STD DEV = 0.0196 (0.0095)
REL STD DEV = 20.099 (56.114)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12566, 9um Io = 12706

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.6950	(-0.0130)
Sample #2 =	0.7400	(-0.0080)
Sample #3 =	0.7570	(-0.0120)
Sample #4 =	0.6980	(0.0260)

Avg % Abs = 0.7317 (0.0020)
STD DEV = 0.0304 (0.0209)
REL STD DEV = 4.151 (1044.031)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4530	(-0.0210)
Sample #2 =	1.4760	(-0.0280)
Sample #3 =	1.4600	(-0.0120)
Sample #4 =	1.4340	(0.0000)

Avg % Abs = 1.4567 (-0.0133)
STD DEV = 0.0212 (0.0140)
REL STD DEV = 1.455 (105.357)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12562, 9um Io = 12705

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7950	(-0.0200)
Sample #2 =	1.7930	(-0.0080)
Sample #3 =	1.7480	(0.0160)
Sample #4 =	1.7870	(0.0040)

Avg % Abs = 1.7750 (0.0040)
STD DEV = 0.0244 (0.0120)
REL STD DEV = 1.376 (300.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4250	(-0.0130)
Sample #2 =	3.4430	(-0.0150)
Sample #3 =	3.4200	(0.0010)
Sample #4 =	3.4420	(-0.0060)

Avg % Abs = 3.4350 (-0.0070)
STD DEV = 0.0130 (0.0075)
REL STD DEV = 0.378 (107.855)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12557, 9um Io = 12701

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4540	(-0.0060)
Sample #2 =	3.5240	(-0.0280)
Sample #3 =	3.4580	(0.0060)
Sample #4 =	3.5040	(-0.0110)

Avg % Abs = 3.4953 (-0.0110)
STD DEV = 0.0338 (0.0170)
REL STD DEV = 0.968 (154.545)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5840	(-0.0020)
Sample #2 =	6.6020	(-0.0050)
Sample #3 =	6.5630	(0.0110)
Sample #4 =	6.5990	(-0.0050)

Avg % Abs = 6.5880 (0.0003)
STD DEV = 0.0217 (0.0092)
REL STD DEV = 0.329 (2771.281)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l ****
Samples Taken = 4, Discarded = 1
3um Io = 12553, 9um Io = 12701

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.0880	(-0.0220)
Sample #2 =	5.0660	(0.0000)
Sample #3 =	5.0710	(0.0080)
Sample #4 =	5.1100	(-0.0120)

Avg % Abs = 5.0823 (-0.0013)
STD DEV = 0.0241 (0.0101)
REL STD DEV = 0.474 (754.984)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.4750	(-0.0050)
Sample #2 =	9.4670	(0.0200)
Sample #3 =	9.4780	(0.0140)
Sample #4 =	9.4930	(0.0020)

Avg % Abs = 9.4793 (0.0120)
STD DEV = 0.0131 (0.0092)
REL STD DEV = 0.138 (76.376)

Optical Calibration
SN: ~~80-65~~ 80-006559
Agency: Manatee County
Date: 4/28/21
By: MH

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.000
Std Dev = 0.03 Rel Std Dev = 2237534720.00
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.732
Std Dev = 0.03 Rel Std Dev = 4.15
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.776
Std Dev = 0.02 Rel Std Dev = 1.38
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.495
Std Dev = 0.03 Rel Std Dev = 0.97
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.082
Std Dev = 0.02 Rel Std Dev = 0.47
Zero Order Coef = 6.99
First Order Coef = 2572.30
Second Order Coef = 46.15
Standard Deviation = 29.298475

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.098
Std Dev = 0.02 Rel Std Dev = 20.10
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.457
Std Dev = 0.02 Rel Std Dev = 1.46
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.435
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.588
Std Dev = 0.02 Rel Std Dev = 0.33
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.479
Std Dev = 0.01 Rel Std Dev = 0.14
Zero Order Coef = -117.05
First Order Coef = 1354.41
Second Order Coef = 17.26
Standard Deviation = 22.612339

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0001
0.040	0.040	-0.0002
0.100	0.099	0.0009
0.200	0.201	-0.0008
0.300	0.300	0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0003
0.100	0.100	0.0005
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 = 3646.00
Sample #2 = 3624.00
Sample #3 = 3630.00
Sample #4 = 3605.00
Average Result = 3619.6667
STD DEV = 13.0512
REL STD DEV = 0.361
****
***** CHANNEL 2
Sample #1 = 3407.00
Sample #2 = 3389.00
Sample #3 = 3403.00
Sample #4 = 3403.00
Average Result = 3398.3333
STD DEV = 8.0829
REL STD DEV = 0.238
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1019
3 um H20 Adjust (mg/l*10,000) = 190
9 um H20 Adjust (mg/l*10,000) = 411
**** AUTO CAL PASS

TYPE OF TEST	SERIAL NUMBER	AGENCY	DATE	PERFORMED BY
Stabilities - Pre	80-006559	Manatee County SO	04/23/21	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 ☑

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/23/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:25
Control Test	0.048	09:25
Air Blank	0.000	09:26
Control Test	0.049	09:27
Air Blank	0.000	09:27
Control Test	0.049	09:28
Air Blank	0.000	09:28

Control Test Stats

Average	0.0487
Std Dev	0.0006
Rel Std Dev(%)	1.1863

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/23/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:30
Control Test	0.078	09:31
Air Blank	0.000	09:31
Control Test	0.078	09:32
Air Blank	0.000	09:32
Control Test	0.078	09:33
Air Blank	0.000	09:33

Control Test Stats

Average	0.0780
Std Dev	0.0000
Rel Std Dev(%)	0.0000

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/23/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.197	09:36
Air Blank	0.001	09:36
Control Test	0.198	09:37
Air Blank	0.000	09:38
Control Test	0.198	09:38
Air Blank	0.000	09:39

Control Test Stats

Average	0.1977
Std Dev	0.0006
Rel Std Dev(%)	0.2921

MK
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
04/23/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:41
Control Test	0.080	09:41
Air Blank	0.000	09:42
Control Test	0.080	09:42
Air Blank	0.000	09:42
Control Test	0.080	09:43
Air Blank	0.000	09:43

Control Test Stats

Average	0.0800
Std Dev	0.0000
Rel Std Dev(%)	0.0000

MK
Operator's Signature

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 80-006559 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006559
Owning Agency:	MANATEE COUNTY SO
Calibration Date:	04/28/2021
Calibration Time:	14:21

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

04/28/2021
Date

MICHAEL D HAUGHEY,
Department Inspector