FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Gulf County SO S/N 80-000795

Date In 8/1/18 DI Completion Date 8/~~30~~ 31/18 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake — Performed By SQC

☑ 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 — Performed By

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 239
☒ Flow Verification (L/s)
Flow Column # ATP102
32 mm .140 (.139 - .169)
36 mm .161 (.156 - .190)
53 mm .230 (.228 - .278)
103 mm .519 (.447 - .547)
☒ Barometric Pressure Check
Gauge ID # 28427
☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1021	201707D 7/25/19
0.080	DR1275	201707E 7/25/19
0.200	SD1013	201707C 7/24/19
0.080 DGS	N/A	AG805701 2/26/20

Flow Calibration — Performed By

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 — Performed By

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

Temperature Checks — Performed By

☒ Lab Temp °C 21.2
External Digital Therm. ID#: 300503
☒ 34°C +-.2 Serial #: SD1021
☒ 34°C +-.2 Serial #: DR1275
☒ 34°C +-.2 Serial #: SD1013

Final Release Date

FDLE
SEP 04 2018
Alcohol Testing Program

Calibration Adjustment — Performed By

Barometric Pressure Gauge 1018 ID # 28662

Simulator	Serial Number	Lot Number	Expiration
0.000	62834	N/A	N/A
0.040	SD1022	17410	12/6/19
0.100	SD3964	18070	2/26/20
0.200	SD1025	17340	10/9/19
0.300	SD1024	18110	4/2/20
0.080 DGS	N/A	17817080A2	8/5/19

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1021	201707D	7/25/19
0.080	DR1275	201707E	7/25/19
0.200	SD1013	201707C	7/24/19
0.080 DGS	N/A	AG805701	2/26/20

Department Inspection — Performed By

Barometric Pressure ID# 28427
Gauge 1018 Instrument 1018
Mouth Alcohol Solution Lot # 2018-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G11621
Interferent	DR3855
0.050	SD1021
0.080	DR1275
0.200	SD1013

Attachments

☒ Form 41
☒ Stability Checks
☒ Calibration Certificate
☒ Calibration Adjustment
☒ Post-Stability Checks
☐ Flow Calibration
☐ Form 40
☐ 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**

9/4/18 Tech Review / Date
9/4/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: GULF COUNTY SO
Serial Number: 80-000795
Time of Inspection: 13:27
Date of Inspection: 08/31/2018
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#:201707D Exp: 07/25/2019	0.08g/210L Test (g/210L) Lot#:201707E Exp: 07/25/2019	0.20g/210L Test (g/210L) Lot#:201707C Exp: 07/24/2019	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG805701 Exp: 02/26/2020
0.000	0.049	0.081	0.199	0.078
0.000	0.049	0.081	0.200	0.079
0.000	0.049	0.081	0.200	0.079
0.000	0.049	0.081	0.200	0.079
0.000	0.049	0.081	0.200	0.077
0.000	0.049	0.081	0.200	0.080
0.000	0.049	0.081	0.201	0.079
0.000	0.050	0.081	0.200	0.079
0.000	0.049	0.081	0.200	0.079
0.000	0.050	0.081	0.200	0.078

Standard Deviations	0.0004	0.0000	0.0004	0.0008

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 (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.

Patrick J Murphy

PATRICK J MURPHY

Signature and Printed Name

08/31/2018

Date

9/4/18

FDLE/ATP Form 41 –Revised August 2005

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:09
Control Test	0.049	09:09
Air Blank	0.000	09:10
Control Test	0.048	09:11
Air Blank	0.000	09:11
Control Test	0.049	09:12
Air Blank	0.000	09:12

Control Test Stats

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

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:15
Control Test	0.081	09:15
Air Blank	0.000	09:16
Control Test	0.081	09:16
Air Blank	0.000	09:17
Control Test	0.081	09:18
Air Blank	0.000	09:18

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:20
Control Test	0.201	09:21
Air Blank	0.000	09:21
Control Test	0.201	09:22
Air Blank	0.000	09:22
Control Test	0.200	09:23
Air Blank	0.000	09:24

Control Test Stats

Average	0.2007
Std Dev	0.0006
Rel Std Dev(%)	0.2877

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:30
Control Test	0.073	09:30
Air Blank	0.000	09:31
Control Test	0.072	09:31
Air Blank	0.000	09:32
Control Test	0.072	09:32
Air Blank	0.000	09:33

Control Test Stats

Average	0.0723
Std Dev	0.0006
Rel Std Dev(%)	0.7982

DGS

P Murphy
Operator's Signature

9/4/18
JO

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 80-000795 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-000795		UNCERTAINTY* ±
Owning Agency:	GULF COUNTY SO	0.050 g/ 210 L	0.004
Calibration Date:	08/31/2018	0.080 g/ 210 L	0.005
Calibration Time:	13:27	0.200 g/ 210 L	0.008
		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).

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.

08/31/2018
Date

Patrick J Murphy
PATRICK J MURPHY,
Department Inspector

FDLE/ATP Form 69 July 2018
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

9/4/18

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/31/2018 09:30:31

Auto Calibration

Max Power Res Value = 48
Auto Range Res Value = 29

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12321, 9um Io = 14151

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0800	(-0.0160)
Sample #2 =	0.0840	(0.0130)
Sample #3 =	0.0960	(0.0250)
Sample #4 =	0.0570	(0.0400)

Avg % Abs = 0.0790 (0.0260)
STD DEV = 0.0200 (0.0135)
REL STD DEV = 25.285 (52.030)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1010	(-0.0100)
Sample #2 =	0.0710	(-0.0010)
Sample #3 =	0.0840	(-0.0140)
Sample #4 =	0.0940	(-0.0080)

Avg % Abs = 0.0830 (-0.0077)
STD DEV = 0.0115 (0.0065)
REL STD DEV = 13.895 (84.866)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12315, 9um Io = 14148

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8550	(-0.0110)
Sample #2 =	0.8380	(0.0060)
Sample #3 =	0.8540	(0.0250)
Sample #4 =	0.8490	(0.0410)

Avg % Abs = 0.8470 (0.0240)
STD DEV = 0.0082 (0.0175)
REL STD DEV = 0.966 (73.006)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5270	(-0.0180)
Sample #2 =	1.5130	(-0.0010)
Sample #3 =	1.5340	(-0.0110)
Sample #4 =	1.5140	(0.0000)

Avg % Abs = 1.5203 (-0.0040)
STD DEV = 0.0118 (0.0061)
REL STD DEV = 0.779 (152.069)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12307, 9um Io = 14145

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9670	(-0.0230)
Sample #2 =	1.9680	(-0.0020)
Sample #3 =	1.9590	(-0.0010)
Sample #4 =	1.9550	(0.0290)

Avg % Abs = 1.9607 (0.0087)
STD DEV = 0.0067 (0.0176)
REL STD DEV = 0.340 (203.265)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6210	(-0.0160)
Sample #2 =	3.5950	(0.0140)
Sample #3 =	3.5870	(0.0130)
Sample #4 =	3.6170	(0.0160)

Avg % Abs = 3.5997 (0.0143)
STD DEV = 0.0155 (0.0015)
REL STD DEV = 0.432 (10.657)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12302, 9um Io = 14141

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7430	(-0.0210)
Sample #2 =	3.7400	(0.0150)
Sample #3 =	3.7640	(0.0040)
Sample #4 =	3.7460	(0.0170)

Avg % Abs = 3.7500 (0.0120)
STD DEV = 0.0125 (0.0070)
REL STD DEV = 0.333 (58.333)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8620	(-0.0060)
Sample #2 =	6.8520	(0.0350)
Sample #3 =	6.8470	(0.0400)
Sample #4 =	6.8430	(0.0440)

Avg % Abs = 6.8473 (0.0397)
STD DEV = 0.0045 (0.0045)
REL STD DEV = 0.066 (11.368)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12298, 9um Io = 14139

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4990	(-0.0190)
Sample #2 =	5.5010	(0.0030)
Sample #3 =	5.4780	(0.0350)
Sample #4 =	5.4910	(0.0320)

Avg % Abs = 5.4900 (0.0233)
STD DEV = 0.0115 (0.0177)
REL STD DEV = 0.210 (75.741)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.0080	(-0.0010)
Sample #2 =	9.9950	(0.0350)
Sample #3 =	9.9590	(0.0770)
Sample #4 =	9.9800	(0.0630)

Avg % Abs = 9.9780 (0.0583)
STD DEV = 0.0181 (0.0214)
REL STD DEV = 0.181 (36.661)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.079
Std Dev = 0.02 Rel Std Dev = 25.28
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.847
Std Dev = 0.01 Rel Std Dev = 0.97
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.961
Std Dev = 0.01 Rel Std Dev = 0.34
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.750
Std Dev = 0.01 Rel Std Dev = 0.33
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.490
Std Dev = 0.01 Rel Std Dev = 0.21
Zero Order Coef = -206.97
First Order Coef = 2482.26
Second Order Coef = 28.89
Standard Deviation = 12.423540

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.083
Std Dev = 0.01 Rel Std Dev = 13.89
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.520
Std Dev = 0.01 Rel Std Dev = 0.78
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.600
Std Dev = 0.02 Rel Std Dev = 0.43
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.847
Std Dev = 0.00 Rel Std Dev = 0.07
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.978
Std Dev = 0.02 Rel Std Dev = 0.18
Zero Order Coef = -120.30
First Order Coef = 1316.25
Second Order Coef = 12.87
Standard Deviation = 19.499601

Solution Stats Quadratic Fit Chan 1

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

9/4/18
JD

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0002
0.040	0.040	-0.0001
0.100	0.100	-0.0005
0.200	0.199	0.0006
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
Sample #1 = 3040.00
Sample #2 = 3023.00
Sample #3 = 799.00
Sample #4 = 2994.00
Average Result = 2272.0000
STD DEV = 1275.7378
REL STD DEV = 56.150
****
***** CHANNEL 2
Sample #1 = 3180.00
Sample #2 = 3200.00
Sample #3 = 892.00
Sample #4 = 3148.00
Average Result = 2413.3333
STD DEV = 1317.7698
REL STD DEV = 54.604
****
Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3042.00
Sample #2 = 2979.00
Sample #3 = 3104.00
Sample #4 = 3046.00
Average Result = 3043.0000
STD DEV = 62.5540
REL STD DEV = 2.056
****
***** CHANNEL 2
Sample #1 = 3209.00
Sample #2 = 3223.00
Sample #3 = 3300.00
Sample #4 = 3182.00
Average Result = 3235.0000
STD DEV = 59.9083
REL STD DEV = 1.852
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1018
3 um H20 Adjust (mg/l*10,000) = 766
9 um H20 Adjust (mg/l*10,000) = 574
**** AUTO CAL PASS

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:36
Control Test	0.049	10:37
Air Blank	0.000	10:38
Control Test	0.049	10:38
Air Blank	0.000	10:39
Control Test	0.049	10:39
Air Blank	0.000	10:40
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:43
Control Test	0.080	10:43
Air Blank	0.000	10:44
Control Test	0.080	10:45
Air Blank	0.000	10:45
Control Test	0.080	10:46
Air Blank	0.000	10:46
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:52
Control Test	0.200	10:52
Air Blank	0.000	10:53
Control Test	0.200	10:54
Air Blank	0.000	10:54
Control Test	0.199	10:55
Air Blank	0.000	10:55
Control Test Stats		
Average	0.1997	
Std Dev	0.0006	
Rel Std Dev(%)	0.2892	

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
08/31/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:57
Control Test	0.079	10:58
Air Blank	0.000	10:58
Control Test	0.078	10:59
Air Blank	0.000	10:59
Control Test	0.078	10:59
Air Blank	0.000	11:00
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

DGS

P Murphy
Operator's Signature

9/4/18
DO

Post Calibration
Adjust Stabilities

FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Gulf County SO S/N 80-000795

Date In 03/26/2018 DI Completion Date 4/13/18 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By JO

☒ 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: 1. All feet are present, but one is very loose.
2. See note shipped with instrument.

Final Release Date

FDLE

APR 1 6 2018

Alcohol Testing Program

Quality Checks Performed By QJM

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 237
☒ Flow Verification (L/s)
Flow Column # ATP102
32 mm .144 (.139 - .169)
36 mm .160 (.156 - .190)
53 mm .234 (.228 - .278)
103 mm .503 (.447 - .547)
☒ Barometric Pressure Check
Gauge ID # 28427
☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G2835	201707D 07/25/2019
0.080	G2840	201707E 07/25/2019
0.200	SD1025	201707C 07/24/2019
0.080 DGS	N/A	AG805702 2/26/20

Flow Calibration Performed By

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 Performed By DMS

☒ Battery Replacement
☐ Dry Gas Regulator Replacement
☐ Breath Tube Replacement
☐ Other

Temperature Checks Performed By QJM

☒ Lab Temp °C 22.5
External Digital Therm. ID#: 300502
☒ 34°C +-.2 Serial #: G2835
☒ 34°C +-.2 Serial #: G2840
☒ 34°C +-.2 Serial #: SD1025

Calibration Adjustment Performed By QJM

Barometric Pressure Gauge 1019 ID # 28662

Simulator	Serial Number	Lot Number	Expiration
0.000	G8144	N/A	N/A
0.040	G2403	16320	10/21/18
0.100	G2879	17280	9/11/19
0.200	G3709	17090	2/24/19
0.300	G8149	17140	5/15/19
0.080 DGS	N/A	1781708042	8/5/19

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	G2835	201707D	7/25/19
0.080	G2840	201707E	7/25/19
0.200	SD1025	201707C	7/24/19
0.080 DGS	N/A	AG805702	2/26/20

Department Inspection Performed By QJM

Barometric Pressure ID# 28427
Gauge 1018 Instrument 1019
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G2880
Interferent	G2407
0.050	G2835
0.080	G2840
0.200	SD1025

Attachments

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

Notes/Suggested Service:
CALIBRATION-Adjusted to bring values closer to nominal

☒ **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**

4/16/18 — Tech Review / Date
4/16/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: GULF COUNTY SO
Serial Number: 80-000795
Time of Inspection: 12:41
Date of Inspection: 04/13/2018
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#:201707D Exp: 07/25/2019	0.08g/210L Test (g/210L) Lot#:201707E Exp: 07/25/2019	0.20g/210L Test (g/210L) Lot#:201707C Exp: 07/24/2019	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG805702 Exp: 02/26/2020
0.000	0.049	0.081	0.201	0.078
0.000	0.049	0.081	0.202	0.079
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.081	0.201	0.078
0.000	0.049	0.081	0.202	0.078
0.000	0.049	0.081	0.202	0.078
0.000	0.050	0.081	0.202	0.079
0.000	0.050	0.082	0.202	0.078
0.000	0.049	0.081	0.202	0.078
0.000	0.050	0.081	0.202	0.078

Standard Deviations	0.0005	0.0003	0.0004	0.0004

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 (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.

Patrick J Murphy

PATRICK J MURPHY

Signature and Printed Name

04/13/2018

Date

4/16/18

FDLE/ATP Form 41 –Revised August 2005

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:42
Control Test	0.050	09:43
Air Blank	0.000	09:43'
Control Test	0.050	09:44
Air Blank	0.000	09:45
Control Test	0.050	09:45
Air Blank	0.000	09:46

Control Test Stats

Average	0.0500
Std Dev	0.0000
Rel Std Dev(%)	0.0000

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:53
Control Test	0.081	09:54
Air Blank	0.000	09:54
Control Test	0.082	09:55
Air Blank	0.000	09:55
Control Test	0.081	09:56
Air Blank	0.000	09:57

Control Test Stats

Average	0.0813
Std Dev	0.0006
Rel Std Dev(%)	0.7099

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:48
Control Test	0.201	09:48
Air Blank	0.000	09:49
Control Test	0.200	09:50
Air Blank	0.000	09:50
Control Test	0.201	09:51
Air Blank	0.000	09:51

Control Test Stats

Average	0.2007
Std Dev	0.0006
Rel Std Dev(%)	0.2877

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:03
Control Test	0.078	10:03
Air Blank	0.000	10:04
Control Test	0.078	10:04
Air Blank	0.000	10:05
Control Test	0.078	10:05
Air Blank	0.000	10:06

Control Test Stats

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

DGS

P Murphy
Operator's Signature

4/16/18
JO

FDLE

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 80-000795, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

			UNCERTAINTY* ±
Serial Number:	80-000795		
Owning Agency:	GULF COUNTY SO	0.050 g/ 210 L	0.004
Calibration Date:	04/13/2018	0.080 g/ 210 L	0.005
Calibration Time:	12:41	0.200 g/ 210 L	0.008
		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% level of confidence (k=3).

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.

04/13/2018
Date

Patrick J Murphy
PATRICK J MURPHY,
Department Inspector

4/16/18

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/13/2018 09:32:18

Auto Calibration
Max Power Res Value = 48
Auto Range Res Value = 27
Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12099, 9um Io = 14024

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1090	(-0.0250)
Sample #2 =	0.0920	(0.0280)
Sample #3 =	0.1000	(0.0730)
Sample #4 =	0.0940	(0.1060)

Avg % Abs = 0.0953 (0.0690)
STD DEV = 0.0042 (0.0392)
REL STD DEV = 4.367 (56.744)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1100	(-0.0180)
Sample #2 =	0.0850	(0.0070)
Sample #3 =	0.0930	(0.0210)
Sample #4 =	0.1010	(0.0130)

Avg % Abs = 0.0930 (0.0137)
STD DEV = 0.0080 (0.0070)
REL STD DEV = 8.602 (51.393)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12080, 9um Io = 14017

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8660	(-0.0170)
Sample #2 =	0.8410	(0.0360)
Sample #3 =	0.8700	(0.0320)
Sample #4 =	0.8600	(0.0500)

Avg % Abs = 0.8570 (0.0393)
STD DEV = 0.0147 (0.0095)
REL STD DEV = 1.719 (24.030)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5260	(-0.0100)
Sample #2 =	1.5300	(0.0000)
Sample #3 =	1.5410	(0.0070)
Sample #4 =	1.5390	(0.0160)

Avg % Abs = 1.5367 (0.0077)
STD DEV = 0.0059 (0.0080)
REL STD DEV = 0.381 (104.619)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12067, 9um Io = 14011

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9610	(-0.0140)
Sample #2 =	1.9680	(0.0200)
Sample #3 =	1.9610	(0.0270)
Sample #4 =	1.9640	(0.0580)

Avg % Abs = 1.9643 (0.0350)
STD DEV = 0.0035 (0.0202)
REL STD DEV = 0.179 (57.782)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6260	(-0.0110)
Sample #2 =	3.6050	(0.0240)
Sample #3 =	3.5910	(0.0340)
Sample #4 =	3.6040	(0.0450)

Avg % Abs = 3.6000 (0.0343)
STD DEV = 0.0078 (0.0105)
REL STD DEV = 0.217 (30.594)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12056, 9um Io = 14005

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7410	(-0.0170)
Sample #2 =	3.7340	(0.0150)
Sample #3 =	3.7380	(0.0270)
Sample #4 =	3.7260	(0.0480)

Avg % Abs = 3.7327 (0.0300)
STD DEV = 0.0061 (0.0167)
REL STD DEV = 0.164 (55.678)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8430	(-0.0100)
Sample #2 =	6.8460	(0.0320)
Sample #3 =	6.8530	(0.0480)
Sample #4 =	6.8220	(0.0480)

Avg % Abs = 6.8403 (0.0427)
STD DEV = 0.0163 (0.0092)
REL STD DEV = 0.238 (21.651)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12048, 9um Io = 13999

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.5190	(-0.0230)
Sample #2 =	5.5230	(0.0290)
Sample #3 =	5.5010	(0.0430)
Sample #4 =	5.5020	(0.0750)

Avg % Abs = 5.5087 (0.0490)
STD DEV = 0.0124 (0.0236)
REL STD DEV = 0.226 (48.122)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.9880	(-0.0020)
Sample #2 =	9.9860	(0.0590)
Sample #3 =	10.0030	(0.0690)
Sample #4 =	9.9960	(0.0760)

Avg % Abs = 9.9950 (0.0680)
STD DEV = 0.0085 (0.0085)
REL STD DEV = 0.085 (12.565)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.095
Std Dev = 0.00 Rel Std Dev = 4.37
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.857
Std Dev = 0.01 Rel Std Dev = 1.72
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.964
Std Dev = 0.00 Rel Std Dev = 0.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.733
Std Dev = 0.01 Rel Std Dev = 0.16
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.509
Std Dev = 0.01 Rel Std Dev = 0.23
Zero Order Coef = -266.17
First Order Coef = 2539.41
Second Order Coef = 19.08
Standard Deviation = 33.161053

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.093
Std Dev = 0.01 Rel Std Dev = 8.60
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.537
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.600
Std Dev = 0.01 Rel Std Dev = 0.22
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.840
Std Dev = 0.02 Rel Std Dev = 0.24
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.995
Std Dev = 0.01 Rel Std Dev = 0.09
Zero Order Coef = -143.93
First Order Coef = 1327.30
Second Order Coef = 11.78
Standard Deviation = 27.285763

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0005
0.040	0.040	-0.0004
0.100	0.101	-0.0007
0.200	0.199	0.0010
0.300	0.300	-0.0003

4/16/18

80-000795
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4/16/18
JD

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0004
0.040	0.040	-0.0004
0.100	0.101	-0.0005
0.200	0.199	0.0008
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 = 3251.00
Sample #2 = 3287.00
Sample #3 = 3266.00
Sample #4 = 3217.00
Average Result = 3256.6667
STD DEV = 35.9212
REL STD DEV = 1.103
****
***** CHANNEL 2
Sample #1 = 3509.00
Sample #2 = 3520.00
Sample #3 = 3502.00
Sample #4 = 3515.00
Average Result = 3512.3333
STD DEV = 9.2916
REL STD DEV = 0.265
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1019
3 um H2O Adjust (mg/l*10,000) = 553
9 um H2O Adjust (mg/l*10,000) = 297
**** AUTO CAL PASS

4/16/18
JD

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:22
Control Test	0.049	10:22
Air Blank	0.000	10:23
Control Test	0.049	10:24
Air Blank	0.000	10:24
Control Test	0.049	10:25
Air Blank	0.000	10:25

Control Test Stats

Average	0.0490
Std Dev	0.0000
Rel Std Dev(%)	0.0000

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:27
Control Test	0.080	10:27
Air Blank	0.000	10:28
Control Test	0.080	10:29
Air Blank	0.000	10:29
Control Test	0.080	10:30
Air Blank	0.000	10:30

Control Test Stats

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

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:32
Control Test	0.200	10:32
Air Blank	0.000	10:33
Control Test	0.200	10:34
Air Blank	0.000	10:34
Control Test	0.201	10:35
Air Blank	0.000	10:35

Control Test Stats

Average	0.2003
Std Dev	0.0006
Rel Std Dev(%)	0.2882

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:41
Control Test	0.078	10:41
Air Blank	0.000	10:42
Control Test	0.079	10:42
Air Blank	0.000	10:42
Control Test	0.078	10:43
Air Blank	0.000	10:43

Control Test Stats

Average	0.0783
Std Dev	0.0006
Rel Std Dev(%)	0.7370

POST CALIBRATION - ADJUST

DGS

P Murphy
Operator's Signature

4/16/18

80-000795

RECEIVED

MAR 26 2018

FDLE
Alcohol Testing Program

Dear Patrick Murphy,

Please change the battery in the breathalyzer.

Sincerely,

James Baxley

(850) 258-7413