FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Gulf County S/N 80-000795

Date In 8/26/2019 DI Completion Date 9/11/19 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By DP

☒ 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

SEP 12 2019

Alcohol Testing Program

Quality Checks Performed By PJM

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 240
☒ Flow Verification (L/s)

Flow Column # DTP102

32 mm	.144	(.139 - .169)
36 mm	.156	(.156 - .190)
53 mm	.234	(.228 - .278)
103 mm	.488	(.447 - .547)

☒ Barometric Pressure Check
Gauge ID # 28427

☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1018	201905A 5/14/21
0.080	SD3962	201905B 5/14/21
0.200	G2078	201904D 4/30/21
0.080 DGS	N/A	AG916501 6/14/21

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 PJM

☒ Lab Temp °C 21.5
External Digital Therm. ID#: 300503
☒ 34°C +-.2 Serial #: SD1018
☒ 34°C +-.2 Serial #: SD3962
☒ 34°C +-.2 Serial #: G2078

Calibration Adjustment Performed By PJM

Barometric Pressure Gauge 1020 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	G8144	N/A	N/A
0.040	G2403	19080	3/4/21
0.100	G2879	18200	7/3/20
0.200	G3709	19040	1/29/21
0.300	G8149	18110	4/2/20
0.080 DGS	N/A	08819080A1	6/5/21

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1018	201905A	5/14/21
0.080	SD3962	201905B	5/14/21
0.200	G2078	201904D	4/30/21
0.080 DGS	N/A	AG916501	6/14/21

Notes/Suggested Service: Calibration adjusted to bring values closer to nominal

Department Inspection Performed By PJM

Barometric Pressure ID# 28427
Gauge 1020 Instrument 1020
Mouth Alcohol Solution Lot # 2018-B
Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	G4444
Interferent	G6621
0.050	SD1018
0.080	SD3962
0.200	G2078

Attachments

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

☒ **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**

SP 9/11/19 Brett Kirkland 9/12/19
Tech Review / Date Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: GULF COUNTY SO
Time of Inspection: 12:29 Date of Inspection: 09/11/2019
Serial Number: 80-000795
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#:AG916501 Exp: 06/14/2021
0.000	0.049	0.079	0.200	0.079
0.000	0.049	0.080	0.201	0.079
0.000	0.049	0.080	0.202	0.080
0.000	0.050	0.080	0.202	0.080
0.000	0.049	0.080	0.202	0.079
0.000	0.049	0.080	0.201	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	0.202	0.079
0.000	0.049	0.080	0.201	0.080

Standard Deviations	0.0004	0.0003	0.0006	0.0005

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

Remarks:

SP
BK
9/12/19

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

09/11/2019
Date

FDLE/ATP Form 41 –Revised August 2005

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
09/05/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:01
Control Test	0.048	09:02
Air Blank	0.000	09:02
Control Test	0.048	09:03
Air Blank	0.000	09:03
Control Test	0.049	09:04
Air Blank	0.000	09:05

Control Test Stats

Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
09/05/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:16
Control Test	0.079	09:17
Air Blank	0.000	09:17
Control Test	0.079	09:18
Air Blank	0.000	09:19
Control Test	0.079	09:19
Air Blank	0.000	09:20

Control Test Stats

Average	0.0790	
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
09/05/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:22
Control Test	0.196	09:22
Air Blank	0.000	09:23
Control Test	0.198	09:23
Air Blank	0.000	09:24
Control Test	0.199	09:25
Air Blank	0.000	09:25

Control Test Stats

Average	0.1977	
Std Dev	0.0015	
Rel Std Dev(%)	0.7728	

P Murphy
Operator's Signature

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
09/05/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:27
Control Test	0.085	09:27
Air Blank	0.000	09:28
Control Test	0.085	09:28
Air Blank	0.000	09:28
Control Test	0.085	09:29
Air Blank	0.000	09:29

Control Test Stats

Average	0.0850	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

P Murphy
Operator's Signature

SP
BK 9/12/19

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
09/11/2019 08:30:37

Auto Calibration
Max Power Res Value = 48
Auto Range Res Value = 30

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12437, 9um Io = 14214
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0810	(0.0010)
Sample #2 =	0.0820	(0.0240)
Sample #3 =	0.0670	(0.0450)
Sample #4 =	0.0860	(0.0500)

Avg % Abs = 0.0783 (0.0397)
STD DEV = 0.0100 (0.0138)
REL STD DEV = 12.787 (34.780)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0900	(-0.0060)
Sample #2 =	0.0850	(0.0200)
Sample #3 =	0.0680	(0.0180)
Sample #4 =	0.1010	(0.0110)

Avg % Abs = 0.0847 (0.0163)
STD DEV = 0.0165 (0.0047)
REL STD DEV = 19.491 (28.934)

PJM

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12425, 9um Io = 14210
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8580	(-0.0110)
Sample #2 =	0.8550	(-0.0020)
Sample #3 =	0.8590	(0.0150)
Sample #4 =	0.8350	(0.0500)

Avg % Abs = 0.8497 (0.0210)
STD DEV = 0.0129 (0.0265)
REL STD DEV = 1.513 (126.258)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5420	(-0.0010)
Sample #2 =	1.5380	(0.0030)
Sample #3 =	1.5350	(0.0060)
Sample #4 =	1.5140	(0.0380)

Avg % Abs = 1.5290 (0.0157)
STD DEV = 0.0131 (0.0194)
REL STD DEV = 0.855 (123.825)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12417, 9um Io = 14205
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9850	(-0.0040)
Sample #2 =	1.9920	(0.0130)
Sample #3 =	1.9870	(0.0340)
Sample #4 =	1.9830	(0.0460)

Avg % Abs = 1.9873 (0.0310)
STD DEV = 0.0045 (0.0167)
REL STD DEV = 0.227 (53.882)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6300	(-0.0050)
Sample #2 =	3.6290	(0.0170)
Sample #3 =	3.6340	(0.0260)
Sample #4 =	3.6500	(0.0280)

Avg % Abs = 3.6377 (0.0237)
STD DEV = 0.0110 (0.0059)
REL STD DEV = 0.302 (24.758)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12410, 9um Io = 14199
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7370	(-0.0150)
Sample #2 =	3.7100	(0.0330)
Sample #3 =	3.7270	(0.0520)
Sample #4 =	3.7410	(0.0510)

Avg % Abs = 3.7260 (0.0453)
STD DEV = 0.0155 (0.0107)
REL STD DEV = 0.417 (23.587)

PJM

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8170	(-0.0140)
Sample #2 =	6.7850	(0.0410)
Sample #3 =	6.8100	(0.0490)
Sample #4 =	6.8100	(0.0490)

Avg % Abs = 6.8017 (0.0463)
STD DEV = 0.0144 (0.0046)
REL STD DEV = 0.212 (9.969)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12401, 9um Io = 14195
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4540	(-0.0280)
Sample #2 =	5.4730	(0.0180)
Sample #3 =	5.4650	(0.0420)
Sample #4 =	5.4510	(0.0480)

Avg % Abs = 5.4630 (0.0360)
STD DEV = 0.0111 (0.0159)
REL STD DEV = 0.204 (44.096)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.9150	(0.0000)
Sample #2 =	9.9350	(0.0370)
Sample #3 =	9.9500	(0.0480)
Sample #4 =	9.9500	(0.0600)

Avg % Abs = 9.9450 (0.0483)
STD DEV = 0.0087 (0.0115)
REL STD DEV = 0.087 (23.801)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.078
Std Dev = 0.01 Rel Std Dev = 12.79
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.850
Std Dev = 0.01 Rel Std Dev = 1.51
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.987
Std Dev = 0.00 Rel Std Dev = 0.23
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.726
Std Dev = 0.02 Rel Std Dev = 0.42
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.463
Std Dev = 0.01 Rel Std Dev = 0.20
Zero Order Coef = -212.51
First Order Coef = 2462.67
Second Order Coef = 35.73
Standard Deviation = 46.615986

PJM

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.085
Std Dev = 0.02 Rel Std Dev = 19.49
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.529
Std Dev = 0.01 Rel Std Dev = 0.86
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.638
Std Dev = 0.01 Rel Std Dev = 0.30
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.802
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.945
Std Dev = 0.01 Rel Std Dev = 0.09
Zero Order Coef = -134.32
First Order Coef = 1314.44
Second Order Coef = 13.88
Standard Deviation = 53.904835

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0004
0.040	0.040	-0.0000
0.100	0.101	-0.0013
0.200	0.199	0.0014
0.300	0.300	-0.0005

SP
BK 9/12/19

80-000795

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0005
0.040	0.040	-0.0001
0.100	0.101	-0.0014
0.200	0.198	0.0016
0.300	0.301	-0.0005

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3198.00
Sample #2 = 3152.00
Sample #3 = 3137.00
Sample #4 = 3160.00
Average Result = 3149.6667
STD DEV = 11.6762
REL STD DEV = 0.371
****
***** CHANNEL 2
Sample #1 = 3447.00
Sample #2 = 3471.00
Sample #3 = 3466.00
Sample #4 = 3498.00
Average Result = 3478.3333
STD DEV = 17.2143
REL STD DEV = 0.495
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1020
3 um H20 Adjust (mg/l*10,000) = 660
9 um H20 Adjust (mg/l*10,000) = 331
**** AUTO CAL PASS

PJM

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
09/11/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:15
Control Test	0.049	09:16
Air Blank	0.000	09:17
Control Test	0.049	09:17
Air Blank	0.000	09:18
Control Test	0.049	09:18
Air Blank	0.000	09:19
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
09/11/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:20
Control Test	0.079	09:21
Air Blank	0.000	09:22
Control Test	0.079	09:22
Air Blank	0.000	09:23
Control Test	0.079	09:24
Air Blank	0.000	09:24
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

POST CALIBRATION
ADJUST STABILITIES

SP
RK
9/12/19

GULF COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000795
09/11/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:26
Control Test	0.200	09:26
Air Blank	0.000	09:27
Control Test	0.200	09:28
Air Blank	0.000	09:28
Control Test	0.201	09:29
Air Blank	0.000	09:29
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
09/11/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:31
Control Test	0.080	09:31
Air Blank	0.000	09:32
Control Test	0.080	09:32
Air Blank	0.000	09:33
Control Test	0.080	09:33
Air Blank	0.000	09:34
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

ilac-MRA ANAB ACCREDITED ISO/IEC 17025 FORENSIC CALIBRATION LABORATORY

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
Owning Agency:	GULF COUNTY SO
Calibration Date:	09/11/2019
Calibration Time:	12:29

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
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).

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.

09/11/2019
Date

Patrick J Murphy
PATRICK J MURPHY,
Department Inspector

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

Service • Integrity • Respect • Quality

SP
BK
9/12/19