INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Martin County SO S/N 80-006168

Date In 02/07/2018 DI Completion Date 2/13/18 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By JD

- ☒ 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

FEB 13 2018

Alcohol Testing Program

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 1916
- ☒ Flow Verification (L/s)

Flow Column # ATP102

32 mm	.1764	(.139 - .169)
36 mm	.179	(.156 - .190)
53 mm	.2466	(.228 - .278)
103 mm	.515	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 284662

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G2835	201707D
		07/25/2019
0.080	SD1013	201707E
		07/25/2019
0.200	SD1025	201707C
		07/24/2019
0.080 DGS	N/A	AG708807
		3-29-19

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 JD

- ☒ Lab Temp °C 22.0

External Digital Therm. ID#: 300502

- ☒ 34°C +-.2 Serial #: G2835
- ☒ 34°C +-.2 Serial #: SD1013
- ☒ 34°C +-.2 Serial #: SD1025

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1029 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1024	16320	10-21-18
0.100	DR3855	17280	9-11-19
0.200	G2407	17090	2-24-19
0.300	DR1275	17140	5-15-19
0.080 DGS	N/A 228	17080A5	10-5-19

- ☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	G2835	201707D	7-25-19
0.080	SD1013	201707E	7-25-19
0.200	SD1025	201707C	7-24-19
0.080 DGS	N/A	AG715202	6-1-19

Department Inspection Performed By SP

Barometric Pressure ID# 284662

Gauge 1030 Instrument 1028

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G2880
Interferent	G8144
0.050	G2835
0.080	SD1013
0.200	SD1025

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**

SP 2/13/18 Tech Review / Date

JD 2/13/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: MARTIN COUNTY SO
Time of Inspection: 13:47
Date of Inspection: 02/13/2018
Serial Number: 80-006168
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#:AG715202 Exp: 06/01/2019
0.000	0.049	0.081	0.199	0.080
0.000	0.049	0.082	0.200	0.080
0.000	0.050	0.082	0.200	0.080
0.000	0.049	0.082	0.199	0.080
0.000	0.050	0.082	0.199	0.080
0.000	0.049	0.083	0.199	0.080
0.000	0.049	0.082	0.199	0.080
0.000	0.050	0.083	0.199	0.080
0.000	0.050	0.082	0.199	0.080
0.000	0.050	0.082	0.200	0.081
Standard Deviations	0.0005	0.0005	0.0004	0.0003

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.

Shayla Platt
Signature and Printed Name

SHAYLA D PLATT

02/13/2018
Date

2/13/18

STABILITY CHECKS #80-0061168

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:07
Control Test	0.049	10:08
Air Blank	0.000	10:09
Control Test	0.050	10:09
Air Blank	0.000	10:10
Control Test	0.049	10:11
Air Blank	0.000	10:11
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

SP
Operator's Signature

2/13/18 DD

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:20
Control Test	0.082	10:21
Air Blank	0.000	10:22
Control Test	0.083	10:22
Air Blank	0.000	10:23
Control Test	0.082	10:23
Air Blank	0.000	10:24
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:36
Control Test	0.201	10:36
Air Blank	0.000	10:37
Control Test	0.201	10:38
Air Blank	0.000	10:38
Control Test	0.201	10:39
Air Blank	0.000	10:39
Control Test Stats		
Average	0.2010	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:00
Control Test	0.081	10:00
Air Blank	0.000	10:01
Control Test	0.080	10:01
Air Blank	0.000	10:02
Control Test	0.081	10:02
Air Blank	0.000	10:02
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DGS

SP
Operator's Signature

Ryan

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 80-006168, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006168
Owning Agency:	MARTIN COUNTY SO
Calibration Date:	02/13/2018
Calibration Time:	13:47

	UNCERTAINTY* ±
0.05 g/ 210 L	0.004
0.08 g/ 210 L	0.005
0.20 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 Tartget 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.

02/13/2018
Date

Shayla Platt
SHAYLA D PLATT,
Department Inspector

2/13/18

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018 11:01:29

Auto Calibration
Max Power Res Value = 102
Auto Range Res Value = 71

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12620, 9um Io = 13278

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0550	(-0.0080)
Sample #2 =	0.0780	(0.0170)
Sample #3 =	0.0230	(0.0640)
Sample #4 =	0.0250	(0.0780)

Avg % Abs = 0.0420 (0.0530)
STD DEV = 0.0312 (0.0320)
REL STD DEV = 74.269 (60.289)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1710	(-0.0240)
Sample #2 =	0.1870	(-0.0120)
Sample #3 =	0.1570	(0.0080)
Sample #4 =	0.1520	(0.0150)

Avg % Abs = 0.1653 (0.0037)
STD DEV = 0.0189 (0.0140)
REL STD DEV = 11.449 (382.143)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12606, 9um Io = 13277

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7430	(-0.0090)
Sample #2 =	0.7970	(-0.0120)
Sample #3 =	0.7650	(0.0360)
Sample #4 =	0.7350	(0.0420)

Avg % Abs = 0.7657 (0.0220)
STD DEV = 0.0310 (0.0296)
REL STD DEV = 4.049 (134.533)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5750	(-0.0010)
Sample #2 =	1.6010	(0.0000)
Sample #3 =	1.5740	(0.0220)
Sample #4 =	1.5780	(0.0130)

Avg % Abs = 1.5843 (0.0117)
STD DEV = 0.0146 (0.0111)
REL STD DEV = 0.920 (94.804)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12599, 9um Io = 13274

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8090	(0.0000)
Sample #2 =	1.8150	(0.0180)
Sample #3 =	1.8700	(0.0000)
Sample #4 =	1.8680	(0.0130)

Avg % Abs = 1.8510 (0.0103)
STD DEV = 0.0312 (0.0093)
REL STD DEV = 1.685 (89.918)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6640	(-0.0060)
Sample #2 =	3.6730	(0.0000)
Sample #3 =	3.6820	(0.0010)
Sample #4 =	3.6880	(0.0000)

Avg % Abs = 3.6810 (0.0003)
STD DEV = 0.0075 (0.0006)
REL STD DEV = 0.205 (173.205)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12595, 9um Io = 13274

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5720	(-0.0160)
Sample #2 =	3.6040	(0.0080)
Sample #3 =	3.5370	(0.0430)
Sample #4 =	3.5500	(0.0460)

Avg % Abs = 3.5637 (0.0323)
STD DEV = 0.0355 (0.0211)
REL STD DEV = 0.997 (65.340)

4/13/18 JD

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9660	(0.0040)
Sample #2 =	6.9960	(0.0140)
Sample #3 =	6.9760	(0.0370)
Sample #4 =	6.9660	(0.0400)

Avg % Abs = 6.9793 (0.0303)
STD DEV = 0.0153 (0.0142)
REL STD DEV = 0.219 (46.894)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12591, 9um Io = 13272

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2470	(-0.0140)
Sample #2 =	5.1970	(0.0360)
Sample #3 =	5.2550	(0.0150)
Sample #4 =	5.2470	(0.0420)

Avg % Abs = 5.2330 (0.0310)
STD DEV = 0.0314 (0.0142)
REL STD DEV = 0.601 (45.734)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.0370	(-0.0010)
Sample #2 =	10.0460	(0.0270)
Sample #3 =	10.0830	(0.0200)
Sample #4 =	10.1060	(0.0200)

Avg % Abs = 10.0783 (0.0223)
STD DEV = 0.0303 (0.0040)
REL STD DEV = 0.300 (18.096)

CAL ADJUSTMENT
#80-006168 SP

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.042
Std Dev = 0.03 Rel Std Dev = 74.27
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.766
Std Dev = 0.03 Rel Std Dev = 4.05
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.851
Std Dev = 0.03 Rel Std Dev = 1.69
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.564
Std Dev = 0.04 Rel Std Dev = 1.00
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.233
Std Dev = 0.03 Rel Std Dev = 0.60
Zero Order Coef = -106.24
First Order Coef = 2583.29
Second Order Coef = 32.08
Standard Deviation = 16.273268

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.165
Std Dev = 0.02 Rel Std Dev = 11.45
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.584
Std Dev = 0.01 Rel Std Dev = 0.92
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.681
Std Dev = 0.01 Rel Std Dev = 0.21
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.979
Std Dev = 0.02 Rel Std Dev = 0.22
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.078
Std Dev = 0.03 Rel Std Dev = 0.30
Zero Order Coef = -204.59
First Order Coef = 1299.27
Second Order Coef = 13.70
Standard Deviation = 10.644924

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0000
0.040	0.040	0.0003
0.100	0.100	-0.0005
0.200	0.200	0.0003
0.300	0.300	-0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0003
0.100	0.100	-0.0000
0.200	0.200	-0.0001
0.300	0.300	0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3432.00
Sample #2 = 3360.00
Sample #3 = 3391.00
Sample #4 = 3353.00
Average Result = 3368.0000
STD DEV = 20.2237
REL STD DEV = 0.600
****
***** CHANNEL 2
Sample #1 = 3240.00
Sample #2 = 3230.00
Sample #3 = 3228.00
Sample #4 = 3236.00
Average Result = 3231.3333
STD DEV = 4.1633
REL STD DEV = 0.129
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1028
3 um H2O Adjust (mg/l*10,000) = 441
9 um H2O Adjust (mg/l*10,000) = 578
**** AUTO CAL PASS

RJM

POST CAL ADJUST STABILITY CHECKS #80-0006168

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:51
Control Test	0.049	11:51
Air Blank	0.000	11:52
Control Test	0.049	11:53
Air Blank	0.000	11:53
Control Test	0.049	11:54
Air Blank	0.000	11:54

Control Test Stats

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

SP
Operator's Signature

2/13/18
JD

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:56
Control Test	0.081	11:56
Air Blank	0.000	11:57
Control Test	0.081	11:58
Air Blank	0.000	11:58
Control Test	0.082	11:59
Air Blank	0.000	11:59

Control Test Stats

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

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:00
Control Test	0.197	12:01
Air Blank	0.000	12:01
Control Test	0.199	12:02
Air Blank	0.000	12:03
Control Test	0.200	12:03
Air Blank	0.000	12:04

Control Test Stats

Average	0.1987
Std Dev	0.0015
Rel Std Dev(%)	0.7689

SP
Operator's Signature

MARTIN COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006168
02/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:06
Control Test	0.080	12:07
Air Blank	0.000	12:07
Control Test	0.081	12:07
Air Blank	0.000	12:08
Control Test	0.081	12:08
Air Blank	0.000	12:09

Control Test Stats

Average	0.0807
Std Dev	0.0006
Rel Std Dev(%)	0.7157

DGS

SP
Operator's Signature

DGM