INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Volusia County S/N 80-001131

Date In 2/27/2020 DI Completion Date 4/1/2020 ☒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 Alcohol Testing Program

Digitally signed by FDLE Alcohol Testing Program
Date: 2020.04.09 14:25:21 -04'00'

Quality Checks Performed By DP

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 113
- ☒ Flow Verification (L/s)

Flow Column # ATP-105

32 mm	0.144	(.139 - .169)
36 mm	0.160	(.156 - .190)
53 mm	0.234	(.228 - .278)
103 mm	0.507	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28421

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1018	201905A 05-14-2021
0.080	SD3962	201905B 05-14-2021
0.200	G2078	201904D 04-30-2021
0.080 DGS	N/A	AG931603 11-12-2021

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 SP

- ☒ Lab Temp °C 22.1

External Digital Therm. ID#: 300503

- ☒ 34°C +-.2 Serial #: MP5088
- ☒ 34°C +-.2 Serial #: MP5089
- ☒ 34°C +-.2 Serial #: MP5090

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1019 ID # 30793

Simulator	Serial Number	Lot Number	Expiration
0.000	G8144	N/A	N/A
0.040	G2403	19080	3-4-21
0.100	G2879	19160	7-9-21
0.200	G3709	19040	1-29-21
0.300	G8149	19010	1-3-21
0.080 DGS	N/A	08819050A7	12-5-21

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1021	201905A	5-14-21
0.080	DR1275	201905B	5-14-21
0.200	SD1011	201904D	4-30-21
0.080 DGS	N/A	AG931603	11-12-21

Department Inspection Performed By SP

Barometric Pressure ID# 30793

Gauge 1011 Instrument 1011

Mouth Alcohol Solution Lot # 2019-B

Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	MP5086
Interferent	MP5087
0.050	MP5088
0.080	MP5089
0.200	MP5090

Attachments

- ☒ Form 41
- ☒ Stability Checks
- ☒ Calibration Certificate
- ☒ Calibration Adjustment
- ☒ Post-Stability Checks X 2
- ☐ 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**

Michael D Haughey 2020.04.09 11:34:38 -04'00' — Tech Review / Date

Brett Kirkland 2020.04.09 14:19:09 -04'00' — Admin Review / Date

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 80-001131 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001131
Owning Agency:	VOLUSIA COUNTY S.O.
Calibration Date:	04/01/2020
Calibration Time:	12:12

	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).

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.

04/01/2020
Date

Shayla Platt
SHAYLAD PLATT,
Department Inspector

BK 2020.04.09 14:20:18 -04'00'

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: VOLUSIA COUNTY S.O.
Time of Inspection: 12:12 Date of Inspection: 04/01/2020 Serial Number: 80-001131
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#:AG931603 Exp: 11/12/2021
0.000	0.049	0.078	0.198	0.081
0.000	0.049	0.079	0.198	0.081
0.000	0.049	0.078	0.198	0.081
0.000	0.049	0.078	0.198	0.081
0.000	0.049	0.079	0.198	0.081
0.000	0.049	0.079	0.198	0.081
0.000	0.049	0.079	0.198	0.081
0.000	0.049	0.079	0.198	0.082
0.000	0.049	0.078	0.198	0.081
0.000	0.049	0.078	0.198	0.081
Standard Deviations	0.0000	0.0005	0.0000	0.0003

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 Number of Simulators Used: 5

Remarks:

MH

2020.04.09 14:21:01 -04'00'

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.

Shayla Platt SHAYLA D PLATT
Signature and Printed Name

04/01/2020
Date

FDLE/ATP Form 41 –Revised August 2005

Stability Checks

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
02/28/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:31
Control Test	0.046	13:32
Air Blank	0.000	13:32
Control Test	0.047	13:33
Air Blank	0.000	13:33
Control Test	0.048	13:34
Air Blank	0.000	13:35

Control Test Stats

Average	0.0470
Std Dev	0.0010
Rel Std Dev(%)	2.1277

Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
02/28/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:37
Control Test	0.077	13:37
Air Blank	0.000	13:38
Control Test	0.078	13:39
Air Blank	0.000	13:39
Control Test	0.078	13:40
Air Blank	0.000	13:40

Control Test Stats

Average	0.0777
Std Dev	0.0006
Rel Std Dev(%)	0.7434

Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
02/28/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:41
Control Test	0.197	13:42
Air Blank	0.000	13:43
Control Test	0.198	13:43
Air Blank	0.000	13:44
Control Test	0.199	13:45
Air Blank	0.000	13:45

Control Test Stats

Average	0.1980
Std Dev	0.0010
Rel Std Dev(%)	0.5051

Operator's Signature

Wet

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
02/28/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:46
Control Test	0.078	13:46
Air Blank	0.000	13:47
Control Test	0.079	13:47
Air Blank	0.000	13:48
Control Test	0.080	13:48
Air Blank	0.000	13:48

Control Test Stats

Average	0.0790
Std Dev	0.0019
Rel Std Dev(%)	1.2658

Dry

Operator's Signature

MH

BK 2020.04.09 14:21:51 -04'00'

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-0011
03/13/2020 09:24:

Auto Calibration
Max Power Res Value = 21
Auto Range Res Value = 10

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12889, 9um Io = 13695

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0510	(-0.0110)
Sample #2 =	0.0600	(0.0250)
Sample #3 =	0.0730	(0.0200)
Sample #4 =	0.0720	(0.0130)

Avg % Abs = 0.0683 (0.0193)
STD DEV = 0.0072 (0.0060)
REL STD DEV = 10.587 (31.178)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0490	(-0.0060)
Sample #2 =	0.0570	(0.0010)
Sample #3 =	0.0690	(0.0060)
Sample #4 =	0.0750	(-0.0170)

Avg % Abs = 0.0670 (-0.0033)
STD DEV = 0.0092 (0.0121)
REL STD DEV = 13.679 (362.905)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12885, 9um Io = 13697

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7900	(-0.0070)
Sample #2 =	0.8000	(0.0300)
Sample #3 =	0.7980	(0.0320)
Sample #4 =	0.8160	(0.0290)

Avg % Abs = 0.8047 (0.0303)
STD DEV = 0.0099 (0.0015)
REL STD DEV = 1.226 (5.036)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5570	(0.0120)
Sample #2 =	1.5610	(0.0170)
Sample #3 =	1.5710	(0.0070)
Sample #4 =	1.5520	(0.0240)

Avg % Abs = 1.5613 (0.0160)
STD DEV = 0.0095 (0.0085)
REL STD DEV = 0.609 (53.400)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12880, 9um Io = 13689

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9090	(-0.0050)
Sample #2 =	1.9020	(-0.0240)
Sample #3 =	1.8880	(0.0140)
Sample #4 =	1.9240	(-0.0070)

Avg % Abs = 1.9047 (-0.0057)
STD DEV = 0.0181 (0.0190)
REL STD DEV = 0.953 (335.913)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7980	(-0.0140)
Sample #2 =	3.7500	(-0.0200)
Sample #3 =	3.7710	(-0.0090)
Sample #4 =	3.7650	(-0.0060)

Avg % Abs = 3.7620 (-0.0117)
STD DEV = 0.0108 (0.0074)
REL STD DEV = 0.288 (63.181)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12878, 9um Io = 13691

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6370	(-0.0190)
Sample #2 =	3.6270	(0.0140)
Sample #3 =	3.6260	(0.0000)
Sample #4 =	3.6340	(0.0070)

Avg % Abs = 3.6290 (0.0070)
STD DEV = 0.0044 (0.0070)
REL STD DEV = 0.120 (100.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.1370	(-0.0160)
Sample #2 =	7.1040	(0.0240)
Sample #3 =	7.1430	(0.0000)
Sample #4 =	7.1460	(0.0040)

Avg % Abs = 7.1310 (0.0093)
STD DEV = 0.0234 (0.0129)
REL STD DEV = 0.329 (137.766)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12876, 9um Io = 13689

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2930	(-0.0180)
Sample #2 =	5.2810	(0.0200)
Sample #3 =	5.2900	(0.0060)
Sample #4 =	5.3120	(-0.0030)

Avg % Abs = 5.2943 (0.0077)
STD DEV = 0.0159 (0.0116)
REL STD DEV = 0.301 (151.177)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.2620	(-0.0240)
Sample #2 =	10.2820	(0.0030)
Sample #3 =	10.3160	(0.0000)
Sample #4 =	10.3170	(0.0050)

Avg % Abs = 10.3050 (0.0027)
STD DEV = 0.0199 (0.0025)
REL STD DEV = 0.193 (94.373)

CAL ADJUSTMENT
#80-001131 SP

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.068
Std Dev = 0.01 Rel Std Dev = 10.59
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.805
Std Dev = 0.01 Rel Std Dev = 1.23
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.905
Std Dev = 0.02 Rel Std Dev = 0.95
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.629
Std Dev = 0.00 Rel Std Dev = 0.12
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.294
Std Dev = 0.02 Rel Std Dev = 0.30
Zero Order Coef = -169.27
First Order Coef = 2527.28
Second Order Coef = 38.49
Standard Deviation = 15.599588

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.067
Std Dev = 0.01 Rel Std Dev = 13.68
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.561
Std Dev = 0.01 Rel Std Dev = 0.61
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.762
Std Dev = 0.01 Rel Std Dev = 0.29
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.131
Std Dev = 0.02 Rel Std Dev = 0.33
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.305
Std Dev = 0.02 Rel Std Dev = 0.19
Zero Order Coef = -77.03
First Order Coef = 1233.28
Second Order Coef = 15.60
Standard Deviation = 15.816482

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	0.0003
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	-0.0001
0.040	0.040	0.0004
0.100	0.100	-0.0005
0.200	0.200	0.0003
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 = 3234.00
Sample #2 = 3167.00
Sample #3 = 3288.00
Sample #4 = 3154.00
Average Result = 3203.0000
STD DEV = 73.8986
REL STD DEV = 2.307
****
***** CHANNEL 2
Sample #1 = 3363.00
Sample #2 = 3375.00
Sample #3 = 3391.00
Sample #4 = 3353.00
Average Result = 3373.0000
STD DEV = 19.0788
REL STD DEV = 0.566
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1019
3 um H20 Adjust (mg/l*10,000) = 606
9 um H20 Adjust (mg/l*10,000) = 436
**** AUTO CAL PASS

2020.04.09 14:22:27 -04'00'

Post Cal Adjust Stability Checks #80-001131

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:56
Control Test	0.049	09:57
Air Blank	0.000	09:57
Control Test	0.049	09:58
Air Blank	0.000	09:58
Control Test	0.048	09:59
Air Blank	0.000	09:59
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

SP
Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.077	09:47
Air Blank	0.000	09:48
Control Test	0.078	09:48
Air Blank	0.000	09:49
Control Test	0.078	09:49
Air Blank	0.000	09:50
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

SP
Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:51
Control Test	0.197	09:52
Air Blank	0.000	09:52
Control Test	0.197	09:53
Air Blank	0.000	09:53
Control Test	0.198	09:54
Air Blank	0.000	09:55
Control Test Stats		
Average	0.1973	
Std Dev	0.0006	
Rel Std Dev(%)	0.2926	

SP
Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/16/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:05
Control Test	0.081	10:05
Air Blank	0.000	10:05
Control Test	0.080	10:06
Air Blank	0.000	10:06
Control Test	0.081	10:07
Air Blank	0.000	10:07
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DGS

SP
Operator's Signature

BK 2020.04.09 14:23:06 -04'00'

Post Cal Adjust Stability Checks #80-001131

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/29/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:24
Control Test	0.049	14:24
Air Blank	0.000	14:25
Control Test	0.048	14:25
Air Blank	0.000	14:26
Control Test	0.048	14:27
Air Blank	0.000	14:27
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

MP5088

SP
Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/29/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:28
Control Test	0.079	14:29
Air Blank	0.000	14:29
Control Test	0.079	14:30
Air Blank	0.000	14:30
Control Test	0.078	14:31
Air Blank	0.000	14:32
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

MP5089

SP
Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/29/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:34
Control Test	0.196	14:35
Air Blank	0.000	14:36
Control Test	0.198	14:36
Air Blank	0.000	14:37
Control Test	0.197	14:37
Air Blank	0.000	14:38
Control Test Stats		
Average	0.1970	
Std Dev	0.0010	
Rel Std Dev(%)	0.5076	

MP5090

SP
Operator's Signature

VOLUSIA COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001131
03/29/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:40
Control Test	0.080	14:40
Air Blank	0.000	14:40
Control Test	0.081	14:41
Air Blank	0.000	14:41
Control Test	0.081	14:42
Air Blank	0.000	14:42
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

DGS

SP
Operator's Signature

Repeated post stability checks after suspecting issue w/ previous simulators.

BK 2020.04.09 14:23:43 -04'00'