INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Brevard County S/N 80-006233

Date In 8/8/2019 DI Completion Date 8/13/19 ☒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

AUG 15 2019

Alcohol Testing Program

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☐ R-Value 230
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32 mm	.148	(.139 - .169)
36 mm	.167	(.156 - .190)
53 mm	.230	(.228 - .278)
103 mm	.472	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 26932

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1012	201905A
		5-14-21
0.080	DR1279	201905B
		5-14-21
0.200	SD1013	201904P
		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 SP

- ☒ Lab Temp °C 22.2

External Digital Therm. ID#: 300505

- ☒ 34°C +-.2 Serial #: SD1012
- ☒ 34°C +-.2 Serial #: DR1279
- ☒ 34°C +-.2 Serial #: SD1013

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1011 ID # 28427

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 SP ~~178170850A2~~		6-5-21

DGS Lot # 08819080A2

- ☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1012	201905A	5-14-21
0.080	DR1279	201905B	5-14-21
0.200	SD1013 SP	201904P	4-30-21
0.080 DGS	N/A	AG916501	6-14-21

Department Inspection Performed By SP

Barometric Pressure ID# 26932

Gauge 1011 Instrument 1011

Mouth Alcohol Solution Lot # 2018-B

Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	G2408
Interferent	G2882
0.050	SD1012
0.080	DR1279
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**

PJM 8/14/19 Tech Review / Date

Brett Kirkland 8/14/19 Admin Review / Date

Stability Checks # 80-006233

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:09
Control Test	0.046	10:10
Air Blank	0.000	10:10
Control Test	0.046	10:11
Air Blank	0.000	10:11
Control Test	0.046	10:12
Air Blank	0.000	10:13
Control Test Stats		
Average	0.0460	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:59
Control Test	0.077	09:59
Air Blank	0.000	10:00
Control Test	0.077	10:01
Air Blank	0.000	10:01
Control Test	0.077	10:02
Air Blank	0.000	10:02
Control Test Stats		
Average	0.0770	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:04
Control Test	0.199	10:04
Air Blank	0.000	10:05
Control Test	0.198	10:05
Air Blank	0.000	10:06
Control Test	0.197	10:07
Air Blank	0.000	10:07
Control Test Stats		
Average	0.1980	
Std Dev	0.0010	
Rel Std Dev(%)	0.5051	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:15
Control Test	0.077	10:15
Air Blank	0.000	10:16
Control Test	0.076	10:16
Air Blank	0.000	10:16
Control Test	0.077	10:17
Air Blank	0.000	10:17
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

DGS

SP
Operator's Signature

RSM
BK 8/14/19

BREVARD COUNTY S.O.
Intoxilyzer - Alconol Analyzer
Model 8000 SN 80-006233
08/13/2019 11:28:44

Auto Calibration
Max Power Res Value = 83
Auto Range Res Value = 56

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12378, 9um Io = 12668

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0760	(-0.0200)
Sample #2 =	0.0990	(-0.0110)
Sample #3 =	0.0880	(0.0050)
Sample #4 =	0.0340	(0.0460)

Avg % Abs = 0.0737 (0.0133)
STD DEV = 0.0348 (0.0294)
REL STD DEV = 47.226 (220.497)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1110	(-0.0010)
Sample #2 =	0.1340	(0.0000)
Sample #3 =	0.1720	(-0.0230)
Sample #4 =	0.1360	(0.0030)

Avg % Abs = 0.1473 (-0.0067)
STD DEV = 0.0214 (0.0142)
REL STD DEV = 14.515 (213.366)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12372, 9um Io = 12666

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8280	(-0.0200)
Sample #2 =	0.8230	(-0.0070)
Sample #3 =	0.7930	(0.0310)
Sample #4 =	0.7790	(0.0450)

Avg % Abs = 0.7983 (0.0230)
STD DEV = 0.0225 (0.0269)
REL STD DEV = 2.816 (116.988)

PJM
TSK 8/14/19

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5790	(-0.0190)
Sample #2 =	1.5780	(-0.0150)
Sample #3 =	1.5430	(0.0040)
Sample #4 =	1.5590	(-0.0070)

Avg % Abs = 1.5600 (-0.0060)
STD DEV = 0.0175 (0.0095)
REL STD DEV = 1.123 (158.990)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12366, 9um Io = 12667

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8760	(-0.0080)
Sample #2 =	1.8360	(0.0230)
Sample #3 =	1.8550	(0.0130)
Sample #4 =	1.8960	(-0.0040)

Avg % Abs = 1.8623 (0.0107)
STD DEV = 0.0307 (0.0137)
REL STD DEV = 1.647 (127.972)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6080	(-0.0070)
Sample #2 =	3.6190	(0.0040)
Sample #3 =	3.6340	(0.0150)
Sample #4 =	3.6340	(0.0050)

Avg % Abs = 3.6290 (0.0080)
STD DEV = 0.0087 (0.0061)
REL STD DEV = 0.239 (76.035)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12364, 9um Io = 12665

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4100	(0.0110)
Sample #2 =	3.4830	(0.0270)
Sample #3 =	3.5420	(0.0130)
Sample #4 =	3.5040	(0.0320)

Avg % Abs = 3.5097 (0.0240)
STD DEV = 0.0299 (0.0098)
REL STD DEV = 0.852 (41.037)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5950	(-0.0030)
Sample #2 =	6.7250	(0.0100)
Sample #3 =	6.7920	(-0.0080)
Sample #4 =	6.7640	(0.0040)

Avg % Abs = 6.7603 (0.0020)
STD DEV = 0.0337 (0.0092)
REL STD DEV = 0.498 (458.258)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12362, 9um Io = 12667

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1250	(-0.0190)
Sample #2 =	5.2570	(0.0010)
Sample #3 =	5.3030	(-0.0030)
Sample #4 =	5.2440	(0.0300)

Avg % Abs = 5.2680 (0.0093)
STD DEV = 0.0310 (0.0180)
REL STD DEV = 0.588 (192.956)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7520	(-0.0060)
Sample #2 =	9.8950	(0.0280)
Sample #3 =	10.0020	(0.0310)
Sample #4 =	10.0000	(0.0330)

Avg % Abs = 9.9657 (0.0307)
STD DEV = 0.0612 (0.0025)
REL STD DEV = 0.614 (8.206)

CAL ADJUSTMENT
#80-006233 SP

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.074
Std Dev = 0.03 Rel Std Dev = 47.23
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.798
Std Dev = 0.02 Rel Std Dev = 2.82
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.862
Std Dev = 0.03 Rel Std Dev = 1.65
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.510
Std Dev = 0.03 Rel Std Dev = 0.85
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.268
Std Dev = 0.03 Rel Std Dev = 0.59
Zero Order Coef = -249.66
First Order Coef = 2728.09
Second Order Coef = 7.21
Standard Deviation = 79.708847

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.147
Std Dev = 0.02 Rel Std Dev = 14.51
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.560
Std Dev = 0.02 Rel Std Dev = 1.12
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.629
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.760
Std Dev = 0.03 Rel Std Dev = 0.50
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.966
Std Dev = 0.06 Rel Std Dev = 0.61
Zero Order Coef = -235.42
First Order Coef = 1365.33
Second Order Coef = 9.52
Standard Deviation = 67.043839

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0010
0.040	0.041	-0.0006
0.100	0.102	-0.0020
0.200	0.198	0.0023
0.300	0.301	-0.0008

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0007
0.040	0.040	-0.0003
0.100	0.102	-0.0017
0.200	0.198	0.0020
0.300	0.301	-0.0006

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3188.00
Sample #2 = 3147.00
Sample #3 = 3191.00
Sample #4 = 3102.00
Average Result = 3146.6667
STD DEV = 44.5009
REL STD DEV = 1.414
****
***** CHANNEL 2
Sample #1 = 3315.00
Sample #2 = 3319.00
Sample #3 = 3295.00
Sample #4 = 3287.00
Average Result = 3300.3333
STD DEV = 16.6533
REL STD DEV = 0.505
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1011
3 um H2O Adjust (mg/l*10,000) = 663
9 um H2O Adjust (mg/l*10,000) = 509
**** AUTO CAL PASS

Post Cal-Adjust Stability Checks # 80-006233

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:11
Control Test	0.048	12:11
Air Blank	0.000	12:12
Control Test	0.049	12:13
Air Blank	0.000	12:13
Control Test	0.049	12:14
Air Blank	0.000	12:14
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:25
Control Test	0.079	12:25
Air Blank	0.000	12:26
Control Test	0.080	12:26
Air Blank	0.000	12:27
Control Test	0.080	12:28
Air Blank	0.000	12:28
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:06
Control Test	0.197	12:07
Air Blank	0.000	12:07
Control Test	0.199	12:08
Air Blank	0.000	12:09
Control Test	0.199	12:09
Air Blank	0.000	12:10
Control Test Stats		
Average	0.1983	
Std Dev	0.0012	
Rel Std Dev(%)	0.5822	

SP
Operator's Signature

BREVARD COUNTY S.O.
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006233
08/13/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:18
Control Test	0.080	12:19
Air Blank	0.000	12:19
Control Test	0.080	12:19
Air Blank	0.000	12:20
Control Test	0.081	12:20
Air Blank	0.000	12:21
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGS

SP
Operator's Signature

RBM
8/14/19

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BREVARD COUNTY S.O.
Time of Inspection: 15:35 Date of Inspection: 08/13/2019 Serial Number: 80-006233
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	0.048	0.079	0.197	0.079
0.000	0.048	0.079	0.199	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.049	0.078	0.199	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.048	0.079	0.198	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.080	0.199	0.079
0.000	0.049	0.079	0.199	0.079
Standard Deviations	0.0005	0.0004	0.0007	0.0004

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 Number of Simulators Used: 5

Remarks:

0900
BK
8/14/19

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.

Shayla Platt SHAYLA D PLATT
Signature and Printed Name

08/13/2019
Date

FDLE/ATP Form 41 –Revised August 2005

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 80-006233 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006233
Owning Agency:	BREVARD COUNTY S.O.
Calibration Date:	08/13/2019
Calibration Time:	15:35

	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.

08/13/2019
Date

Shayla Platt
SHAYLA D PLATT,
Department Inspector

BK 8/14/19