FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Brevard County SO S/N 80-001166

Date In 03/19/2019 DI Completion Date 3/27/19 ☒ 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: One foot is missing on the dry gas shelf.

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 216
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32 mm	.156	(.139 - .169)
36 mm	.171	(.156 - .190)
53 mm	.242	(.228 - .278)
103 mm	.484	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28421

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G2835	201707D 07/25/2019
0.080	G2840	201707E 07/25/2019
0.200	DR3856	201707C 07/24/2019
0.080 DGS	N/A	AG831804 11-14-20

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 SP

- ☒ Lab Temp °C 23.6

External Digital Therm. ID#: 300503

- ☒ 34°C +-.2 Serial #: G2835
- ☒ 34°C +-.2 Serial #: G2840
- ☒ 34°C +-.2 Serial #: DR3856

Final Release Date

FDLE

MAR 29 2019

Alcohol Testing Program

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1022 ID # 30793

Simulator	Serial Number	Lot Number	Expiration
0.000	DR2035	N/A	N/A
0.040	SD1022	17410	12-6-19
0.100	SD3964	18200	7-3-20
0.200	SD1025	19040	1-29-21
0.300	SD1024	18110	4-2-20
0.080 DGS	N/A	178170802	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	DR3856	201707C	7-24-19
0.080 DGS	N/A	AG831804	11-14-20

Department Inspection Performed By SP

Barometric Pressure ID# 28421

Gauge 1021 Instrument 1022

Mouth Alcohol Solution Lot # 2018-B

Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G2880
Interferent	G2407
0.050	G2835
0.080	G2840
0.200	DR3856

Attachments

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

Notes/Suggested Service: Performed cal adjustment to bring values closer to nominal. SP

- ☒ **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**

3/28/19 Tech Review / Date

3/29/19 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: BREVARD COUNTY SO
Time of Inspection: 12:34

Date of Inspection: 03/27/2019

Serial Number: 80-001166
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#:AG831804 Exp: 11/14/2020
0.000	0.048	0.079	0.197	0.080
0.000	0.049	0.080	0.199	0.080
0.000	0.049	0.080	0.199	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.080	0.199	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.079	0.198	0.080
0.000	0.049	0.080	0.199	0.080
0.000	0.049	0.080	0.199	0.080
0.000	0.049	0.080	0.199	0.081
Standard Deviations	0.0003	0.0005	0.0006	0.0003

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

PDM

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

SHAYLA D PLATT

Signature and Printed Name

03/27/2019

Date

3/29/19
SD

FDLE/ATP Form 41 –Revised August 2005

STABILITY CHECKS #80-001166

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:49
Control Test	0.050	08:49
Air Blank	0.000	08:50
Control Test	0.050	08:51
Air Blank	0.000	08:51
Control Test	0.050	08:52
Air Blank	0.000	08:52

Control Test Stats

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

SP
Operator's Signature

3/29/19
JP

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:44
Control Test	0.082	08:45
Air Blank	0.000	08:46
Control Test	0.081	08:46
Air Blank	0.000	08:47
Control Test	0.081	08:47
Air Blank	0.000	08:48

Control Test Stats

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

SP
Operator's Signature

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:54
Control Test	0.086	08:54
Air Blank	0.000	08:54
Control Test	0.085	08:55
Air Blank	0.000	08:55
Control Test	0.084	08:56
Air Blank	0.000	08:56

Control Test Stats

Average	0.0850
Std Dev	0.0010
Rel Std Dev(%)	1.1765

DGS

SP
Operator's Signature

misplaced slip for .20 Stability check.
SP

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 80-001166 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

			UNCERTAINTY* ±
Serial Number:	80-001166		
Owning Agency:	BREVARD COUNTY SO	0.050 g/ 210 L	0.004
Calibration Date:	03/27/2019	0.080 g/ 210 L	0.004
Calibration Time:	12:34	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.

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03/27/2019
Date

Shayla Platt
SHAYLA D PLATT,
Department Inspector

3/29/19

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019 09:24:06

Auto Calibration
Max Power Res Value = 24
Auto Range Res Value = 8

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12435, 9um Io = 13847

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.3290	(0.0000)
Sample #2 =	0.2810	(0.0720)
Sample #3 =	0.2890	(0.0970)
Sample #4 =	0.3020	(0.1240)

Avg % Abs = 0.2907 (0.0977)
STD DEV = 0.0106 (0.0260)
REL STD DEV = 3.646 (26.628)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.2090	(0.0020)
Sample #2 =	0.1720	(0.0320)
Sample #3 =	0.1920	(0.0260)
Sample #4 =	0.2040	(0.0310)

Avg % Abs = 0.1893 (0.0297)
STD DEV = 0.0162 (0.0032)
REL STD DEV = 8.538 (10.836)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12416, 9um Io = 13840

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.0560	(0.0050)
Sample #2 =	1.0230	(0.0450)
Sample #3 =	1.0730	(0.0300)
Sample #4 =	1.0820	(0.0370)

Avg % Abs = 1.0593 (0.0373)
STD DEV = 0.0318 (0.0075)
REL STD DEV = 3.001 (20.104)

3/29/19 JP

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6090	(-0.0050)
Sample #2 =	1.5890	(0.0260)
Sample #3 =	1.6300	(0.0140)
Sample #4 =	1.5940	(0.0330)

Avg % Abs = 1.6043 (0.0243)
STD DEV = 0.0224 (0.0096)
REL STD DEV = 1.394 (39.489)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12407, 9um Io = 13836

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	2.1100	(0.0010)
Sample #2 =	2.1530	(0.0010)
Sample #3 =	2.1370	(0.0060)
Sample #4 =	2.1590	(0.0250)

Avg % Abs = 2.1497 (0.0107)
STD DEV = 0.0114 (0.0127)
REL STD DEV = 0.529 (118.709)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6240	(0.0040)
Sample #2 =	3.6180	(0.0190)
Sample #3 =	3.6470	(0.0170)
Sample #4 =	3.6490	(0.0220)

Avg % Abs = 3.6380 (0.0193)
STD DEV = 0.0173 (0.0025)
REL STD DEV = 0.477 (13.017)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12402, 9um Io = 13831

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.9220	(-0.0120)
Sample #2 =	3.8970	(0.0390)
Sample #3 =	3.9440	(0.0390)
Sample #4 =	3.9000	(0.0640)

Avg % Abs = 3.9137 (0.0473)
STD DEV = 0.0263 (0.0144)
REL STD DEV = 0.672 (30.494)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8870	(-0.0120)
Sample #2 =	6.8720	(0.0320)
Sample #3 =	6.8660	(0.0430)
Sample #4 =	6.8620	(0.0500)

Avg % Abs = 6.8667 (0.0417)
STD DEV = 0.0050 (0.0091)
REL STD DEV = 0.073 (21.777)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12399, 9um Io = 13828

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.6140	(-0.0090)
Sample #2 =	5.6130	(0.0240)
Sample #3 =	5.6020	(0.0510)
Sample #4 =	5.6120	(0.0650)

Avg % Abs = 5.6090 (0.0467)
STD DEV = 0.0061 (0.0208)
REL STD DEV = 0.108 (44.659)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.9160	(-0.0160)
Sample #2 =	9.8790	(0.0490)
Sample #3 =	9.8810	(0.0520)
Sample #4 =	9.8770	(0.0520)

Avg % Abs = 9.8790 (0.0510)
STD DEV = 0.0020 (0.0017)
REL STD DEV = 0.020 (3.396)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.291
Std Dev = 0.01 Rel Std Dev = 3.65
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.059
Std Dev = 0.03 Rel Std Dev = 3.00
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 2.150
Std Dev = 0.01 Rel Std Dev = 0.53
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.914
Std Dev = 0.03 Rel Std Dev = 0.67
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.609
Std Dev = 0.01 Rel Std Dev = 0.11
Zero Order Coef = -739.65
First Order Coef = 2481.87
Second Order Coef = 35.25
Standard Deviation = 15.499399

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.189
Std Dev = 0.02 Rel Std Dev = 8.54
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.604
Std Dev = 0.02 Rel Std Dev = 1.39
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.638
Std Dev = 0.02 Rel Std Dev = 0.48
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.867
Std Dev = 0.01 Rel Std Dev = 0.07
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.879
Std Dev = 0.00 Rel Std Dev = 0.02
Zero Order Coef = -248.52
First Order Coef = 1318.57
Second Order Coef = 15.42
Standard Deviation = 6.779941

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0003
0.040	0.041	-0.0005
0.100	0.100	0.0001
0.200	0.200	0.0002
0.300	0.300	-0.0001

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0000
0.040	0.040	-0.0000
0.100	0.100	0.0002
0.200	0.200	-0.0002
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 = 1679.00
Sample #2 = 1612.00
Sample #3 = 1658.00
Sample #4 = 1643.00
Average Result = 1637.6666
STD DEV = 23.4592
REL STD DEV = 1.432
****
***** CHANNEL 2
Sample #1 = 2674.00
Sample #2 = 2607.00
Sample #3 = 2603.00
Sample #4 = 2579.00
Average Result = 2596.3333
STD DEV = 15.1438
REL STD DEV = 0.583
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1022
3 um H2O Adjust (mg/l*10,000) = 2172
9 um H2O Adjust (mg/l*10,000) = 1213
**** AUTO CAL PASS

CAL ADJUSTMENT
#80-001166

POST CAL ADJUSTMENT STABILITY CHECKS
#80-001166

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:27
Control Test	0.048	10:28
Air Blank	0.000	10:29
Control Test	0.048	10:29
Air Blank	0.000	10:30
Control Test	0.049	10:31
Air Blank	0.000	10:31
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

SP
Operator's Signature

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:32
Control Test	0.080	10:33
Air Blank	0.000	10:33
Control Test	0.079	10:34
Air Blank	0.000	10:34
Control Test	0.079	10:35
Air Blank	0.000	10:36
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

SP
Operator's Signature

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:46
Control Test	0.199	10:47
Air Blank	0.000	10:47
Control Test	0.197	10:48
Air Blank	0.000	10:49
Control Test	0.198	10:49
Air Blank	0.000	10:50
Control Test Stats		
Average	0.1980	
Std Dev	0.0010	
Rel Std Dev(%)	0.5051	

SP
Operator's Signature

BREVARD COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001166
03/27/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:37
Control Test	0.081	10:37
Air Blank	0.000	10:38
Control Test	0.080	10:38
Air Blank	0.000	10:39
Control Test	0.079	10:39
Air Blank	0.000	10:40
Control Test Stats		
Average	0.0800	
Std Dev	0.0010	
Rel Std Dev(%)	1.2500	

DGS

SP
Operator's Signature

RDM

SP 3/29/19

Florida Department of Law Enforcement
Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: BREVARD COUNTY SO
Time of Inspection: 08:41

Date of Inspection: 03/27/2019

Serial Number: 80-001166
Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted		No
Diagnostic Check (Pre-Inspection): OK		No
Alcohol Free Subject Test: 0.000		No
Mouth Alcohol Test: Slope Not Met		No
Interferent Detect Test: Interferent Detect		No
Diagnostic Check (Post-Inspection): OK		No

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#: Exp:	0.08g/210L Test (g/210L) Lot#: Exp:	0.20g/210L Test (g/210L) Lot#: Exp:	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: Exp:

Number of Simulators Used: _____

Remarks:
BYPASSED AI TO OPERATE INSTRUMENT

PSM

N/A COMPLIANCE NOT DETERMINED

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

I certify that I hold a valid Florida Department of Law Enforcement Agency Inspector Permit and that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

Shayla Platt
SHAYLA D PLATT
Signature and Printed Name

03/27/2019
Date

3/29/19
JD