FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Union County SO S/N 80-001289

Date In 11/1/18 DI Completion Date 11/5/18 ☒Ship ☒P/U ☐H/D ☐CMI ☐EE

Intake Performed By SQC

☒ 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

NOV 0 5 2018

Alcohol Testing Program

Quality Checks Performed By

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 136
☒ Flow Verification (L/s)
Flow Column # A78102
32 mm 154 (.139 - .169)
36 mm 179 (.156 - .190)
53 mm 246 (.228 - .278)
103 mm 515 (.447 - .547)
☒ Barometric Pressure Check
Gauge ID # 28427
☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1021	2017070 / 7/25/19
0.080	DR1275	2017075 / 7/25/19
0.200	SD1013	2017070 / 7/24/19
0.080 DGS	N/A	AG805701 / 2/26/20

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

☒ Lab Temp °C 21.4
External Digital Therm. ID#: 300503
☒ 34°C +-.2 Serial #: SD1021
☒ 34°C +-.2 Serial #: DR1275
☒ 34°C +-.2 Serial #: SD1013

Calibration Adjustment Performed By

Barometric Pressure Gauge 1015 ID # 28662

Simulator	Serial Number	Lot Number	Expiration
0.000	G2834	N/A	N/A
0.040	SD1022	17410	12/6/19
0.100	SD3964	18070	2/26/20
0.200	SD1025	17340	10/9/19
0.300	SD1024	18110	4/2/20
0.080 DGS	N/A	178170 80A2	8/5/19

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1021	2017070	7/25/19
0.080	DR1275	2017075	7/25/19
0.200	SD1013	2017070	7/24/19
0.080 DGS	N/A	AG805701	2/26/20

Department Inspection Performed By

Barometric Pressure ID# 28427
Gauge 1015 Instrument 1015
Mouth Alcohol Solution Lot # 2016-C
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G11621
Interferent	DR3855
0.050	SD1021
0.080	DR1275
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**

11/5/18 Tech Review / Date
11/5/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: UNION COUNTY SO
Serial Number: 80-001289
Time of Inspection: 11:14
Date of Inspection: 11/05/2018
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#:AG805701 Exp: 02/26/2020
0.000	0.047	0.078	0.195	0.079
0.000	0.048	0.079	0.197	0.079
0.000	0.048	0.079	0.198	0.078
0.000	0.048	0.078	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.049	0.078	0.198	0.079
0.000	0.049	0.078	0.197	0.079
0.000	0.048	0.078	0.198	0.079
0.000	0.049	0.079	0.197	0.079
Standard Deviations	0.0006	0.0005	0.0009	0.0003

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 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.

JAKE L SHANAHAN
Signature and Printed Name

11/05/2018
Date

11/5/18

FDLE/ATP Form 41 –Revised August 2005

80-001289
Stability checks
11/1/18

INTOXILYZER 8000
Instrument Initialization
13:20 11/01/2018

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/01/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:46
Control Test	0.079	13:46
Air Blank	0.000	13:46
Control Test	0.078	13:47
Air Blank	0.000	13:47
Control Test	0.079	13:47
Air Blank	0.000	13:48
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DCS

Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/01/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:51
Control Test	0.046	13:52
Air Blank	0.000	13:52
Control Test	0.047	13:53
Air Blank	0.000	13:53
Control Test	0.048	13:54
Air Blank	0.000	13:54
Control Test Stats		
Average	0.0470	
Std Dev	0.0010	
Rel Std Dev(%)	2.1277	

Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/01/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:57
Control Test	0.045	13:57
Air Blank	0.000	13:58
Control Test	0.045	13:58
Air Blank	0.000	13:59
Control Test	0.045	14:00
Air Blank	0.000	14:00
Control Test Stats		
Average	0.0450	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/01/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:07
Control Test	0.188	14:08
Air Blank	0.000	14:08
Control Test	0.191	14:09
Air Blank	0.000	14:10
Control Test	0.191	14:10
Air Blank	0.000	14:11
Control Test Stats		
Average	0.1900	
Std Dev	0.0017	
Rel Std Dev(%)	0.9116	

Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/01/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	14:12
Control Test	0.076	14:13
Air Blank	0.000	14:13
Control Test	0.077	14:14
Air Blank	0.000	14:14
Control Test	0.077	14:15
Air Blank	0.000	14:16
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

Operator's Signature

11/5/18

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 80-001289 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

			UNCERTAINTY* ±
Serial Number:	80-001289		
Owning Agency:	UNION COUNTY SO	0.050 g/ 210 L	0.004
Calibration Date:	11/05/2018	0.080 g/ 210 L	0.005
Calibration Time:	11:14	0.200 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 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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11/05/2018
Date

JAKE L SHANAHAN,
Department Inspector

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

Service • Integrity • Respect • Quality

11/5/18

80-001289
Calibration Adjustment
11/5/18

INTOXILYZER 8000
Instrument Initialization
08:07 11/05/2018

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/05/2018 08:32:07

Auto Calibration
Max Power Res Value = 30
Auto Range Res Value = 16

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12731, 9um Io = 12624

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0970	(-0.0060)
Sample #2 =	0.1070	(0.0500)
Sample #3 =	0.1310	(0.0960)
Sample #4 =	0.1070	(0.1360)

Avg % Abs = 0.1150 (0.0940)
STD DEV = 0.0139 (0.0430)
REL STD DEV = 12.049 (45.782)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1110	(-0.0160)
Sample #2 =	0.1260	(-0.0080)
Sample #3 =	0.1500	(0.0000)
Sample #4 =	0.1310	(0.0240)

Avg % Abs = 0.1357 (0.0053)
STD DEV = 0.0127 (0.0167)
REL STD DEV = 9.333 (312.250)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12705, 9um Io = 12615

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8170	(-0.0180)
Sample #2 =	0.8140	(0.0430)
Sample #3 =	0.7940	(0.0500)
Sample #4 =	0.8060	(0.0850)

Avg % Abs = 0.8047 (0.0593)
STD DEV = 0.0101 (0.0225)
REL STD DEV = 1.251 (37.924)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5240	(-0.0100)
Sample #2 =	1.5440	(0.0010)
Sample #3 =	1.5440	(0.0090)
Sample #4 =	1.5480	(0.0310)

Avg % Abs = 1.5453 (0.0137)
STD DEV = 0.0023 (0.0155)
REL STD DEV = 0.149 (113.670)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12688, 9um Io = 12606

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8300	(-0.0050)
Sample #2 =	1.8450	(0.0170)
Sample #3 =	1.8350	(0.0400)
Sample #4 =	1.8580	(0.0570)

Avg % Abs = 1.8460 (0.0380)
STD DEV = 0.0115 (0.0201)
REL STD DEV = 0.625 (52.829)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5520	(-0.0150)
Sample #2 =	3.5910	(-0.0140)
Sample #3 =	3.5880	(0.0020)
Sample #4 =	3.5900	(0.0110)

Avg % Abs = 3.5897 (-0.0003)
STD DEV = 0.0015 (0.0127)
REL STD DEV = 0.043 (3798.684)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12675, 9um Io = 12596

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4560	(-0.0120)
Sample #2 =	3.4540	(0.0330)
Sample #3 =	3.4480	(0.0410)
Sample #4 =	3.5370	(0.0620)

Avg % Abs = 3.4797 (0.0453)
STD DEV = 0.0497 (0.0150)
REL STD DEV = 1.430 (33.039)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6550	(-0.0340)
Sample #2 =	6.6490	(-0.0100)
Sample #3 =	6.6860	(-0.0210)
Sample #4 =	6.8040	(0.0070)

Avg % Abs = 6.7130 (-0.0080)
STD DEV = 0.0810 (0.0141)
REL STD DEV = 1.206 (176.334)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12661, 9um Io = 12594

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.0850	(-0.0180)
Sample #2 =	5.1910	(-0.0180)
Sample #3 =	5.1800	(-0.0070)
Sample #4 =	5.1650	(0.0080)

Avg % Abs = 5.1787 (-0.0057)
STD DEV = 0.0131 (0.0131)
REL STD DEV = 0.252 (230.315)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.6560	(0.0170)
Sample #2 =	9.8590	(-0.0010)
Sample #3 =	9.8720	(0.0150)
Sample #4 =	9.8700	(0.0200)

Avg % Abs = 9.8670 (0.0113)
STD DEV = 0.0070 (0.0110)
REL STD DEV = 0.071 (96.791)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.115
Std Dev = 0.01 Rel Std Dev = 12.05
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.805
Std Dev = 0.01 Rel Std Dev = 1.25
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.846
Std Dev = 0.01 Rel Std Dev = 0.62
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.480
Std Dev = 0.05 Rel Std Dev = 1.43
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.179
Std Dev = 0.01 Rel Std Dev = 0.25
Zero Order Coef = -343.02
First Order Coef = 2787.76
Second Order Coef = 7.99
Standard Deviation = 51.333424

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.136
Std Dev = 0.01 Rel Std Dev = 9.33
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.545
Std Dev = 0.00 Rel Std Dev = 0.15
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.590
Std Dev = 0.00 Rel Std Dev = 0.04
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.713
Std Dev = 0.08 Rel Std Dev = 1.21
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.867
Std Dev = 0.01 Rel Std Dev = 0.07
Zero Order Coef = -217.74
First Order Coef = 1367.92
Second Order Coef = 10.61
Standard Deviation = 57.136684

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0005
0.040	0.040	-0.0000
0.100	0.101	-0.0014
0.200	0.199	0.0015
0.300	0.300	-0.0005

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	-0.0004
0.100	0.101	-0.0014
0.200	0.198	0.0017
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 = 3153.00
Sample #2 = 3099.00
Sample #3 = 3163.00
Sample #4 = 3170.00
Average Result = 3144.0000
STD DEV = 39.1280
REL STD DEV = 1.245
****
***** CHANNEL 2
Sample #1 = 3393.00
Sample #2 = 3402.00
Sample #3 = 3398.00
Sample #4 = 3421.00
Average Result = 3407.0000
STD DEV = 12.2882
REL STD DEV = 0.361
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1015
3 um H20 Adjust (mg/l*10,000) = 665
9 um H20 Adjust (mg/l*10,000) = 402
**** AUTO CAL PASS

Pgm 11/5/18

80-001289
Post Cal Adj.
Stability Checks
11/5/18

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/05/2018
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	09:17
Air Blank	0.000	09:18
Control Test	0.079	09:18
Air Blank	0.000	09:19
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:20
Control Test	0.199	09:21
Air Blank	0.000	09:21
Control Test	0.198	09:22
Air Blank	0.000	09:22
Control Test	0.197	09:23
Air Blank	0.000	09:24
Control Test Stats		
Average	0.1980	
Std Dev	0.0010	
Rel Std Dev(%)	0.5051	

Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:25
Control Test	0.047	09:26
Air Blank	0.000	09:26
Control Test	0.048	09:27
Air Blank	0.000	09:27
Control Test	0.048	09:28
Air Blank	0.000	09:28
Control Test Stats		
Average	0.0477	
Std Dev	0.0006	
Rel Std Dev(%)	1.2112	

Operator's Signature

UNION COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001289
11/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.079	09:39
Air Blank	0.000	09:40
Control Test	0.079	09:40
Air Blank	0.000	09:41
Control Test	0.079	09:41
Air Blank	0.000	09:42
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

PJM
11/5/18