FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Polk County SO S/N 80-001237

Date In 06/06/2019 DI Completion Date 06/06/2019 ☑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: 1 screw missing on external printer port. JD

Final Release Date

FDLE

JUN 11 2019

Alcohol Testing Program

Quality Checks Performed By JD

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 116
- ☑ Flow Verification (L/s)

Flow Column # ATP-105

32 mm .148 (.139 - .169)
36 mm .164 (.156 - .190)
53 mm .242 (.228 - .278)
103 mm .542 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28427

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1018	201707D
		07/25/2019
0.080	SD3962	201707E
		07/25/2019
0.200	G2078	201707C
		07/24/2019
0.080 DGS	N/A	AG831804
		11/14/2020

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 22.1

External Digital Therm. ID#: 300503

- ☑ 34°C +-.2 Serial #: SD1018
- ☑ 34°C +-.2 Serial #: SD3962
- ☑ 34°C +-.2 Serial #: G2078

Calibration Adjustment Performed By JD

Barometric Pressure Gauge 1012 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	SD1016	N/A	N/A
0.040	SD1022	17410	12/06/2019
0.100	SD3964	18200	07/03/2020
0.200	SD1025	19040	01/29/2021
0.300	SD1024	18110	04/02/2020
0.080 DGS	N/A	17817080A2	08/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1018	201707D	07/25/2019
0.080	SD3962	201707E	07/25/2019
0.200	G2078	201707C	07/24/2019
0.080 DGS	N/A	AG831804	11/14/2020

Department Inspection Performed By JD

Barometric Pressure ID# 30793

Gauge 1012 Instrument 1012

Mouth Alcohol Solution Lot # 2018-B

Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G4444
Interferent	G6621
0.050	SD1018
0.080	SD3962
0.200	G2078

Attachments

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

Notes/Suggested Service: I replaced the missing printer port screw. JD

Calibration adjustment performed due to barometric pressure (Gauge 1011 / Instrument 1001). JD

- ☑ **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 6/11/19 Tech Review / Date

Brett Kirkland 6/11/19 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: POLK COUNTY SO
Serial Number: 80-001237
Time of Inspection: 14:46
Date of Inspection: 06/06/2019
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	0.049	0.081	0.200	0.079
0.000	0.049	0.082	0.200	0.079
0.000	0.049	0.081	0.200	0.079
0.000	0.049	0.081	0.200	0.078
0.000	0.048	0.081	0.200	0.078
0.000	0.049	0.081	0.199	0.079
0.000	0.049	0.081	0.199	0.078
0.000	0.049	0.081	0.199	0.078
0.000	0.048	0.080	0.199	0.078
0.000	0.049	0.080	0.199	0.078

Standard Deviations	0.0004	0.0005	0.0005	0.0005

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

Remarks:

PGM
BK
6/11/19

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.

TJG
THOMAS J GRAHAM
Signature and Printed Name

06/06/2019
Date

FDLE/ATP Form 41 –Revised August 2005

80-001237 Stability Checks

6/6/19

JD

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:48
Control Test	0.050	11:49
Air Blank	0.000	11:50
Control Test	0.049	11:50
Air Blank	0.000	11:51
Control Test	0.049	11:52
Air Blank	0.000	11:52
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

JD
Operator's Signature

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:53
Control Test	0.080	11:54
Air Blank	0.000	11:54
Control Test	0.080	11:55
Air Blank	0.000	11:56
Control Test	0.080	11:56
Air Blank	0.000	11:57
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

JD
Operator's Signature

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:58
Control Test	0.196	11:59
Air Blank	0.000	11:59
Control Test	0.195	12:00
Air Blank	0.000	12:00
Control Test	0.195	12:01
Air Blank	0.000	12:02
Control Test Stats		
Average	0.1953	
Std Dev	0.0006	
Rel Std Dev(%)	0.2956	

JD
Operator's Signature

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.080	12:03
Air Blank	0.000	12:03
Control Test	0.080	12:04
Air Blank	0.000	12:04
Control Test	0.080	12:05
Air Blank	0.000	12:05
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS.

JD
Operator's Signature

PJM BK 6/11/19

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 80-001237 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001237
Owning Agency:	POLK COUNTY SO
Calibration Date:	06/06/2019
Calibration Time:	14:46

	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.

06/06/2019
Date

THOMAS J GRAHAM,
Department Inspector

BK 6/11/19

80-001237
Calibration Adjustment

6/6/19

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019 12:26:10

Auto Calibration
Max Power Res Value = 34
Auto Range Res Value = 13

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11944, 9um Io = 13975

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1820	(-0.0070)
Sample #2 =	0.1700	(0.0720)
Sample #3 =	0.1440	(0.1320)
Sample #4 =	0.1430	(0.1910)

Avg % Abs = 0.1523 (0.1317)
STD DEV = 0.0153 (0.0595)
REL STD DEV = 10.049 (45.190)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1390	(-0.0140)
Sample #2 =	0.1180	(0.0190)
Sample #3 =	0.1360	(0.0210)
Sample #4 =	0.1080	(0.0490)

Avg % Abs = 0.1207 (0.0297)
STD DEV = 0.0142 (0.0168)
REL STD DEV = 11.759 (56.538)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11914, 9um Io = 13967

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8970	(-0.0250)
Sample #2 =	0.8700	(0.0110)
Sample #3 =	0.8910	(0.0430)
Sample #4 =	0.8910	(0.0400)

Avg % Abs = 0.8840 (0.0313)
STD DEV = 0.0121 (0.0177)
REL STD DEV = 1.372 (56.403)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6060	(-0.0170)
Sample #2 =	1.5610	(0.0130)
Sample #3 =	1.5550	(0.0340)
Sample #4 =	1.5550	(0.0200)

Avg % Abs = 1.5570 (0.0223)
STD DEV = 0.0035 (0.0107)
REL STD DEV = 0.222 (47.878)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11903, 9um Io = 13963

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9620	(-0.0220)
Sample #2 =	1.9720	(-0.0040)
Sample #3 =	1.9980	(0.0090)
Sample #4 =	1.9550	(0.0330)

Avg % Abs = 1.9750 (0.0127)
STD DEV = 0.0217 (0.0188)
REL STD DEV = 1.097 (148.189)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7040	(-0.0020)
Sample #2 =	3.6420	(0.0480)
Sample #3 =	3.6350	(0.0530)
Sample #4 =	3.6250	(0.0600)

Avg % Abs = 3.6340 (0.0537)
STD DEV = 0.0085 (0.0060)
REL STD DEV = 0.235 (11.232)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11898, 9um Io = 13958

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7470	(-0.0240)
Sample #2 =	3.7070	(0.0490)
Sample #3 =	3.7390	(0.0370)
Sample #4 =	3.7520	(0.0210)

Avg % Abs = 3.7327 (0.0357)
STD DEV = 0.0232 (0.0140)
REL STD DEV = 0.620 (39.386)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0170	(-0.0110)
Sample #2 =	6.9470	(0.0710)
Sample #3 =	6.9560	(0.0860)
Sample #4 =	6.9680	(0.0570)

Avg % Abs = 6.9570 (0.0713)
STD DEV = 0.0105 (0.0145)
REL STD DEV = 0.151 (20.331)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11897, 9um Io = 13956

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4490	(-0.0090)
Sample #2 =	5.4140	(0.0290)
Sample #3 =	5.4110	(0.0440)
Sample #4 =	5.3680	(0.0780)

Avg % Abs = 5.3977 (0.0503)
STD DEV = 0.0257 (0.0251)
REL STD DEV = 0.477 (49.880)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.1230	(-0.0060)
Sample #2 =	10.0290	(0.0850)
Sample #3 =	10.0150	(0.1020)
Sample #4 =	9.9810	(0.1310)

Avg % Abs = 10.0083 (0.1060)
STD DEV = 0.0247 (0.0233)
REL STD DEV = 0.247 (21.943)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.152
Std Dev = 0.02 Rel Std Dev = 10.05
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.884
Std Dev = 0.01 Rel Std Dev = 1.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.975
Std Dev = 0.02 Rel Std Dev = 1.10
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.733
Std Dev = 0.02 Rel Std Dev = 0.62
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.398
Std Dev = 0.03 Rel Std Dev = 0.48
Zero Order Coef = -371.45
First Order Coef = 2525.57
Second Order Coef = 34.93
Standard Deviation = 15.361600

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.121
Std Dev = 0.01 Rel Std Dev = 11.76
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.557
Std Dev = 0.00 Rel Std Dev = 0.22
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.634
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.957
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.008
Std Dev = 0.02 Rel Std Dev = 0.25
Zero Order Coef = -143.46
First Order Coef = 1287.48
Second Order Coef = 15.29
Standard Deviation = 21.406853

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0003
0.100	0.100	0.0002
0.200	0.200	-0.0004
0.300	0.300	0.0002

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0001
0.100	0.099	0.0005
0.200	0.201	-0.0006
0.300	0.300	0.0003

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2832.00
Sample #2 = 2881.00
Sample #3 = 2871.00
Sample #4 = 2782.00
Average Result = 2844.6667
STD DEV = 54.5008
REL STD DEV = 1.916
****
***** CHANNEL 2
Sample #1 = 3373.00
Sample #2 = 3444.00
Sample #3 = 3444.00
Sample #4 = 3426.00
Average Result = 3438.0000
STD DEV = 10.3923
REL STD DEV = 0.302
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1012
3 um H20 Adjust (mg/l*10,000) = 965
9 um H20 Adjust (mg/l*10,000) = 371
**** AUTO CAL PASS

PJM

BK 6/11/19

80-001237
Post Calibration Adjustment
Stability Checks 6/6/19
JD

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:03
Control Test	0.051	13:04
Air Blank	0.000	13:04
Control Test	0.050	13:05
Air Blank	0.000	13:06
Control Test	0.049	13:06
Air Blank	0.000	13:07
Control Test Stats		
Average	0.0500	
Std Dev	0.0010	
Rel Std Dev(%)	2.0000	

JD
Operator's Signature

PJM
BK 6/11/19

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:08
Control Test	0.081	13:09
Air Blank	0.000	13:09
Control Test	0.080	13:10
Air Blank	0.000	13:10
Control Test	0.080	13:11
Air Blank	0.000	13:12
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

JD
Operator's Signature

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:13
Control Test	0.201	13:13
Air Blank	0.000	13:14
Control Test	0.200	13:15
Air Blank	0.000	13:15
Control Test	0.199	13:16
Air Blank	0.000	13:16
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

JD
Operator's Signature

POLK COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001237
06/06/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:17
Control Test	0.078	13:18
Air Blank	0.000	13:18
Control Test	0.079	13:18
Air Blank	0.000	13:19
Control Test	0.079	13:19
Air Blank	0.000	13:20
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

DGS

JD
Operator's Signature