FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Pinellas County Sheriff's Office S/N 80-005290

Date In 02/23/2018 DI Completion Date 03/14/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By PJM

- ☑ 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

MAR 1 4 2018

Alcohol Testing Program

Quality Checks Performed By DMB

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 126
- ☑ Flow Verification (L/s)

Flow Column # ATP 103

32 mm 0.144 (.139 - .169)
36 mm 0.164 (.156 - .190)
53 mm 0.230 (.228 - .278)
103 mm 0.496 (.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28662 1001/1020

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G11739	201707D 07/25/2019
0.080	SD3964	201707E 07/25/2019
0.200	DR3856	201707C 07/24/2019
0.080 DGS	N/A	AG715202 06/01/2019

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 DMB

- ☑ Lab Temp °C 22.6

External Digital Therm. ID#: 300503

- ☑ 34°C +-.2 Serial #: G11739
- ☑ 34°C +-.2 Serial #: SD3964
- ☑ 34°C +-.2 Serial #: DR3856

Calibration Adjustment Performed By DMB

Barometric Pressure Gauge 1020 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G2879	N/A	N/A
0.040	SD1024	16320	10/21/2018
0.100	G2834	17280	09/11/2019
0.200	SD1011	17090	02/24/2019
0.300	DR1275	17140	05/15/2019
0.080 DGS	N/A	22817080A5	10/05/2019

- ☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	G11739	201707D	07/25/2019
0.080	SD3964	201707E	07/25/2019
0.200	DR2856	201707C	07/24/2019
0.080 DGS	N/A	AG715202	06/01/2019

Department Inspection Performed By DMB

Barometric Pressure ID# 28662

Gauge 1021 Instrument 1020

Mouth Alcohol Solution Lot # 2016-C

Acetone Stock Solution Lot # 2017-A

Simulator	Serial Number
0.000	SD1019
Interferent	SD1021
0.050	G11739
0.080	SD3964
0.200	DR3856

Attachments

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

Notes/Suggested Service: Optical Bench Calibration Adjustment performed to bring barometric pressure values closer to nominal. 3/14/18 DMB

- ☑ **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**

DMB 3/14/18 — Tech Review / Date

JJ Graham 3/14/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PINELLAS COUNTY SO
Time of Inspection: 14:28
Date of Inspection: 03/14/2018
Serial Number: 80-005290
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#:AG715202 Exp: 06/01/2019
0.000	0.049	0.080	0.199	0.080
0.000	0.050	0.081	0.199	0.080
0.000	0.050	0.081	0.200	0.080
0.000	0.050	0.082	0.200	0.080
0.000	0.050	0.081	0.200	0.080
0.000	0.049	0.081	0.200	0.080
0.000	0.050	0.082	0.199	0.080
0.000	0.049	0.082	0.201	0.079
0.000	0.049	0.082	0.200	0.080
0.000	0.050	0.082	0.201	0.080
Standard Deviations	0.0005	0.0006	0.0007	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.

Danielle M Bell
DANIELLE M BELL
Signature and Printed Name

03/14/2018
Date

3/14/18

FDLE/ATP Form 41 –Revised August 2005

Stability Checks #80-005290 Pinellas County S.O. 3/13/18 DOS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:40
Control Test	0.050	11:40
Air Blank	0.000	11:41
Control Test	0.049	11:42
Air Blank	0.000	11:42
Control Test	0.049	11:43
Air Blank	0.000	11:43

Control Test Stats

Average	0.0493
Std Dev	0.0006
Rel Std Dev(%)	1.1703

Operator's Signature

3/14/18

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.080	11:46
Air Blank	0.000	11:46
Control Test	0.081	11:47
Air Blank	0.000	11:48
Control Test	0.077	11:48
Air Blank	0.000	11:49

Control Test Stats

Average	0.0793
Std Dev	0.0021
Rel Std Dev(%)	2.6239

Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:51
Control Test	0.196	11:51
Air Blank	0.000	11:52
Control Test	0.199	11:53
Air Blank	0.000	11:53
Control Test	0.199	11:54
Air Blank	0.000	11:54

Control Test Stats

Average	0.1987
Std Dev	0.0006
Rel Std Dev(%)	0.2906

Operator's Signature

DOS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:55
Control Test	0.083	11:56
Air Blank	0.000	11:56
Control Test	0.081	11:56
Air Blank	0.000	11:57
Control Test	0.082	11:57
Air Blank	0.000	11:58

Control Test Stats

Average	0.0820
Std Dev	0.0010
Rel Std Dev(%)	1.2195

Operator's Signature

PDM

FDLE

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 80-005290, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-005290
Owning Agency:	PINELLAS COUNTY SO
Calibration Date:	03/14/2018
Calibration Time:	14:28

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
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% 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.

03/14/2018
Date

Danielle M Bell
DANIELLE M BELL,
Department Inspector

3/14/18

RJan

Optical bench calibration adjustment data #80-005290 Pinellas County S.O. 3/14/18 RMB

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/14/2018 09:53:20

Auto Calibration
Max Power Res Value = 46
Auto Range Res Value = 29

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12771, Sum Io = 13403

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0520	(0.0020)
Sample #2 =	0.0660	(-0.0100)
Sample #3 =	0.0160	(0.0230)
Sample #4 =	0.0700	(0.0020)

Avg % Abs = 0.0507 (0.0050)
STD DEV = 0.0301 (0.0167)
REL STD DEV = 59.386 (334.066)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1790	(0.0000)
Sample #2 =	0.1810	(-0.0100)
Sample #3 =	0.1650	(0.0060)
Sample #4 =	0.1850	(-0.0060)

Avg % Abs = 0.1770 (-0.0033)
STD DEV = 0.0106 (0.0083)
REL STD DEV = 5.979 (249.800)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12770, Sum Io = 13404

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8220	(-0.0080)
Sample #2 =	0.7580	(0.0250)
Sample #3 =	0.7620	(0.0360)
Sample #4 =	0.8220	(0.0080)

Avg % Abs = 0.7807 (0.0230)
STD DEV = 0.0359 (0.0141)
REL STD DEV = 4.592 (61.334)

3/14/18

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5860	(0.0050)
Sample #2 =	1.5550	(0.0190)
Sample #3 =	1.5460	(0.0170)
Sample #4 =	1.5890	(0.0070)

Avg % Abs = 1.5633 (0.0143)
STD DEV = 0.0227 (0.0064)
REL STD DEV = 1.451 (44.854)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12767, Sum Io = 13401

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7840	(-0.0170)
Sample #2 =	0.7800	(-0.0050)
Sample #3 =	0.8120	(-0.0040)
Sample #4 =	0.7440	(0.0390)

Avg % Abs = 0.7787 (0.0100)
STD DEV = 0.0340 (0.0251)
REL STD DEV = 4.369 (251.197)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5540	(0.0050)
Sample #2 =	1.5740	(-0.0070)
Sample #3 =	1.5860	(-0.0030)
Sample #4 =	1.5510	(0.0160)

Avg % Abs = 1.5703 (0.0020)
STD DEV = 0.0178 (0.0123)
REL STD DEV = 1.133 (614.410)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12764, Sum Io = 13399

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9830	(-0.0030)
Sample #2 =	1.8770	(0.0200)
Sample #3 =	1.8370	(0.0350)
Sample #4 =	1.8620	(0.0100)

Avg % Abs = 1.8587 (0.0217)
STD DEV = 0.0202 (0.0126)
REL STD DEV = 1.087 (58.076)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6310	(-0.0020)
Sample #2 =	3.6480	(0.0160)
Sample #3 =	3.6160	(0.0110)
Sample #4 =	3.6320	(0.0040)

Avg % Abs = 3.6320 (0.0103)
STD DEV = 0.0160 (0.0060)
REL STD DEV = 0.441 (58.333)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12759, Sum Io = 13398

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5960	(-0.0070)
Sample #2 =	3.6340	(-0.0140)
Sample #3 =	3.5950	(0.0100)
Sample #4 =	3.6480	(-0.0120)

Avg % Abs = 3.6257 (-0.0053)
STD DEV = 0.0275 (0.0133)
REL STD DEV = 0.758 (249.687)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9260	(0.0000)
Sample #2 =	6.9820	(-0.0020)
Sample #3 =	6.9310	(0.0190)
Sample #4 =	6.9730	(-0.0050)

Avg % Abs = 6.9620 (0.0040)
STD DEV = 0.0272 (0.0131)
REL STD DEV = 0.391 (326.917)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
Sum Io = 12757, Sum Io = 13396

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2910	(-0.0160)
Sample #2 =	5.3450	(-0.0230)
Sample #3 =	5.3250	(0.0070)
Sample #4 =	5.2850	(0.0080)

Avg % Abs = 5.3183 (-0.0027)
STD DEV = 0.0306 (0.0176)
REL STD DEV = 0.574 (660.611)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.0300	(0.0020)
Sample #2 =	10.0410	(0.0030)
Sample #3 =	10.0290	(0.0130)
Sample #4 =	10.0190	(0.0130)

Avg % Abs = 10.0297 (0.0097)
STD DEV = 0.0110 (0.0058)
REL STD DEV = 0.110 (59.726)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.051
Std Dev = 0.03 Rel Std Dev = 59.39
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.779
Std Dev = 0.03 Rel Std Dev = 4.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.859
Std Dev = 0.02 Rel Std Dev = 1.09
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.626
Std Dev = 0.03 Rel Std Dev = 0.76
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.318
Std Dev = 0.03 Rel Std Dev = 0.57
Zero Order Coef = -121.42
First Order Coef = 2573.40
Second Order Coef = 25.26
Standard Deviation = 12.589899

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.177
Std Dev = 0.01 Rel Std Dev = 5.98
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.570
Std Dev = 0.02 Rel Std Dev = 1.13
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.632
Std Dev = 0.02 Rel Std Dev = 0.44
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.962
Std Dev = 0.03 Rel Std Dev = 0.39
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.030
Std Dev = 0.01 Rel Std Dev = 0.1!
Zero Order Coef = -210.55
First Order Coef = 1314.31
Second Order Coef = 12.90
Standard Deviation = 30.318558

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0001
0.100	0.100	0.0003
0.200	0.200	-0.0004
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	-0.0005
0.040	0.040	0.0004
0.100	0.099	0.0006
0.200	0.201	-0.0009
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 = 3330.00
Sample #2 = 3371.00
Sample #3 = 3394.00
Sample #4 = 3363.00
Average Result = 3376.0000
STD DEV = 16.0935
REL STD DEV = 0.477
****
***** CHANNEL 2
Sample #1 = 3298.00
Sample #2 = 3294.00
Sample #3 = 3274.00
Sample #4 = 3275.00
Average Result = 3281.0000
STD DEV = 11.2694
REL STD DEV = 0.343
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1020
3 um H2O Adjust (mg/l*10,000) = 433
9 um H2O Adjust (mg/l*10,000) = 528
**** AUTO CAL PASS

CAM

Post Calibration Adjustment
Stability Checks #80-005290 Pinellas County S.O. 3/14/18 [redacted]

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:25
Control Test	0.050	11:26
Air Blank	0.000	11:26
Control Test	0.050	11:27
Air Blank	0.000	11:27
Control Test	0.050	11:28
Air Blank	0.000	11:28

Control Test Stats

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

[redacted]
Operator's Signature

3/14/18

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:29
Control Test	0.081	11:30
Air Blank	0.000	11:31
Control Test	0.081	11:31
Air Blank	0.000	11:32
Control Test	0.081	11:33
Air Blank	0.000	11:33

Control Test Stats

Average	0.0810
Std Dev	0.0000
Rel Std Dev(%)	0.0000

[redacted]
Operator's Signature

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:35
Control Test	0.199	11:35
Air Blank	0.000	11:36
Control Test	0.199	11:36
Air Blank	0.000	11:37
Control Test	0.200	11:38
Air Blank	0.000	11:38

Control Test Stats

Average	0.1993
Std Dev	0.0006
Rel Std Dev(%)	0.2896

[redacted]
Operator's Signature

DGS

PINELLAS COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005290
03/14/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:40
Control Test	0.081	11:41
Air Blank	0.000	11:41
Control Test	0.080	11:42
Air Blank	0.000	11:42
Control Test	0.080	11:42
Air Blank	0.000	11:43

Control Test Stats

Average	0.0803
Std Dev	0.0006
Rel Std Dev(%)	0.7187

[redacted]
Operator's Signature