FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County Sheriff's Office S/N 80-005113

Date In 04/11/2018 DI Completion Date 04/16/2018 ☐Ship ☐P/U ☑H/D ☐CMI ☐EE

Intake Performed By TG

☑ 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

APR 1 6 2018

Alcohol Testing Program

Quality Checks Performed By DMB

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 252
☑ Flow Verification (L/s)
Flow Column # ATP 105
32 mm 0.140 (.139 - .169)
36 mm 0.156 (.156 - .190)
53 mm 0.238 (.228 - .278)
103 mm 0.519 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28662
☑ 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	AG805701 02/26/2020

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 DMB

☑ Lab Temp °C 21.8
External Digital Therm. ID#: 300502
☑ 34°C +-.2 Serial #: G2835
☑ 34°C +-.2 Serial #: G2840
☑ 34°C +-.2 Serial #: SD1025

Calibration Adjustment Performed By DMB

Barometric Pressure Gauge 1017 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G8144	N/A	N/A
0.040	G2403	16320	10/21/2018
0.100	G2879	17280	09/11/2019
0.200	G3709	17090	02/24/2019
0.300	G8149	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	G2835	201707D	07/25/2019
0.080	G2840	201707E	07/25/2019
0.200	SD1025	201707C	07/24/2019
0.080 DGS	N/A	AG805701	02/26/2020

Department Inspection Performed By DMB

Barometric Pressure ID# 28662
Gauge 1019 Instrument 1017
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G2880
Interferent	G2407
0.050	G2835
0.080	G2840
0.200	SD1025

Attachments

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

Notes/Suggested Service: Performed optical bench calibration to bring barometric pressure value closer to nominal. DMB 04/13/18

☑ **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 4/16/18 Tech Review / Date

JJ Graham 4/16/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 11:37 Date of Inspection: 04/16/2018
Serial Number: 80-005113
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#:AG805702 Exp: 02/26/2020
0.000	0.049	0.080	0.200	0.080
0.000	0.050	0.082	0.201	0.080
0.000	0.050	0.082	0.202	0.079
0.000	0.050	0.082	0.201	0.080
0.000	0.050	0.082	0.202	0.080
0.000	0.050	0.082	0.202	0.079
0.000	0.050	0.082	0.202	0.079
0.000	0.050	0.082	0.201	0.079
0.000	0.050	0.082	0.202	0.079
0.000	0.050	0.082	0.202	0.079

Standard Deviations	0.0003	0.0006	0.0007	0.0005

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

04/16/2018
Date

4/16/18

FDLE/ATP Form 41 –Revised August 2005

Stability Checks #80-005113 Hillsborough County S.O. 4/11/18 DBS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/11/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:37
Control Test	0.049	12:38
Air Blank	0.000	12:38
Control Test	0.049	12:39
Air Blank	0.000	12:39
Control Test	0.049	12:40
Air Blank	0.000	12:41
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

4/16/18

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/11/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:41
Control Test	0.081	12:42
Air Blank	0.000	12:43
Control Test	0.080	12:43
Air Blank	0.000	12:44
Control Test	0.080	12:45
Air Blank	0.000	12:45
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/11/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:46
Control Test	0.197	12:47
Air Blank	0.000	12:47
Control Test	0.197	12:48
Air Blank	0.000	12:48
Control Test	0.197	12:49
Air Blank	0.000	12:50
Control Test Stats		
Average	0.1970	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

DBS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/11/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:56
Control Test	0.081	12:56
Air Blank	0.000	12:57
Control Test	0.081	12:57
Air Blank	0.000	12:57
Control Test	0.081	12:58
Air Blank	0.000	12:58
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

DBS

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 80-005113, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-005113
Owning Agency:	HILLSBOROUGH CO SO
Calibration Date:	04/16/2018
Calibration Time:	11:37

	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.

04/16/2018
Date

Danielle M Bell
DANIELLE M BELL,
Department Inspector

RYAN 4/16/18

Optical Bench Calibration Adjustment Data #80-005113 Hillsborough County S.O. 4/13/18 RDB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/13/2018 10:29:57

Auto Calibration
Max Power Res Value = 28
Auto Range Res Value = 6

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11802, 9um Io = 14208

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1320	(0.0000)
Sample #2 =	0.1210	(0.1210)
Sample #3 =	0.1430	(0.1670)
Sample #4 =	0.0920	(0.2720)

Avg % Abs = 0.1187 (0.1867)
STD DEV = 0.0256 (0.0774)
REL STD DEV = 21.556 (41.463)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0830	(0.0080)
Sample #2 =	0.0880	(0.0420)
Sample #3 =	0.1140	(0.0490)
Sample #4 =	0.0690	(0.0870)

Avg % Abs = 0.0903 (0.0593)
STD DEV = 0.0226 (0.0242)
REL STD DEV = 25.008 (40.811)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11759, 9um Io = 14189

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8690	(-0.0110)
Sample #2 =	0.8530	(0.0310)
Sample #3 =	0.8980	(0.0510)
Sample #4 =	0.8610	(0.1020)

Avg % Abs = 0.8707 (0.0613)
STD DEV = 0.0240 (0.0366)
REL STD DEV = 2.757 (59.691)

4/16/18 DR

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5570	(-0.0030)
Sample #2 =	1.5450	(0.0280)
Sample #3 =	1.5490	(0.0500)
Sample #4 =	1.5380	(0.0630)

Avg % Abs = 1.5440 (0.0470)
STD DEV = 0.0056 (0.0177)
REL STD DEV = 0.361 (37.642)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11742, 9um Io = 14178

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	2.0340	(-0.0080)
Sample #2 =	2.0180	(0.0420)
Sample #3 =	2.0030	(0.0830)
Sample #4 =	2.0520	(0.0850)

Avg % Abs = 2.0243 (0.0700)
STD DEV = 0.0251 (0.0243)
REL STD DEV = 1.240 (34.670)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7160	(-0.0140)
Sample #2 =	3.7190	(0.0120)
Sample #3 =	3.6860	(0.0450)
Sample #4 =	3.7110	(0.0430)

Avg % Abs = 3.7053 (0.0333)
STD DEV = 0.0172 (0.0185)
REL STD DEV = 0.465 (55.507)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11728, 9um Io = 14171

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8750	(-0.0040)
Sample #2 =	3.8970	(0.0420)
Sample #3 =	3.8500	(0.0890)
Sample #4 =	3.8720	(0.0840)

Avg % Abs = 3.8730 (0.0717)
STD DEV = 0.0235 (0.0258)
REL STD DEV = 0.607 (36.019)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0750	(-0.0050)
Sample #2 =	7.0960	(0.0380)
Sample #3 =	7.0750	(0.0540)
Sample #4 =	7.0910	(0.0500)

Avg % Abs = 7.0873 (0.0473)
STD DEV = 0.0110 (0.0083)
REL STD DEV = 0.155 (17.592)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 11716, 9um Io = 14166

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.7360	(-0.0100)
Sample #2 =	5.6860	(0.0660)
Sample #3 =	5.7100	(0.0650)
Sample #4 =	5.7270	(0.0770)

Avg % Abs = 5.7077 (0.0693)
STD DEV = 0.0206 (0.0067)
REL STD DEV = 0.361 (9.603)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.3670	(0.0040)
Sample #2 =	10.3490	(0.0630)
Sample #3 =	10.3480	(0.0750)
Sample #4 =	10.3520	(0.0780)

Avg % Abs = 10.3497 (0.0720)
STD DEV = 0.0021 (0.0079)
REL STD DEV = 0.020 (11.024)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.119
Std Dev = 0.03 Rel Std Dev = 21.56
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.871
Std Dev = 0.02 Rel Std Dev = 2.76
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 2.024
Std Dev = 0.03 Rel Std Dev = 1.24
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.873
Std Dev = 0.02 Rel Std Dev = 0.61
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.708
Std Dev = 0.02 Rel Std Dev = 0.36
Zero Order Coef = -286.48
First Order Coef = 2479.35
Second Order Coef = 13.01
Standard Deviation = 18.162119

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.090
Std Dev = 0.02 Rel Std Dev = 25.01
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.544
Std Dev = 0.01 Rel Std Dev = 0.36
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.705
Std Dev = 0.02 Rel Std Dev = 0.46
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.087
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.350
Std Dev = 0.00 Rel Std Dev = 0.02
Zero Order Coef = -114.30
First Order Coef = 1283.15
Second Order Coef = 10.50
Standard Deviation = 15.577538

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0005
0.100	0.101	-0.0005
0.200	0.200	0.0003
0.300	0.300	-0.0001

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0000
0.040	0.040	0.0003
0.100	0.100	-0.0005
0.200	0.200	0.0003
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 = 3230.00
Sample #2 = 3230.00
Sample #3 = 3215.00
Sample #4 = 3179.00
Average Result = 3208.0000
STD DEV = 26.2107
REL STD DEV = 0.817
****
***** CHANNEL 2
Sample #1 = 3475.00
Sample #2 = 3470.00
Sample #3 = 3477.00
Sample #4 = 3448.00
Average Result = 3465.0000
STD DEV = 15.1327
REL STD DEV = 0.437
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1017
3 um H20 Adjust (mg/l*10,000) = 601
9 um H20 Adjust (mg/l*10,000) = 344
**** AUTO CAL PASS

RDB

Post Calibration Adjustment
Stability Checks #80-005113 Hillsborough County S.O. 4/13/18 RMB

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:07
Control Test	0.050	11:08
Air Blank	0.000	11:08
Control Test	0.050	11:09
Air Blank	0.000	11:10
Control Test	0.050	11:10
Air Blank	0.000	11:11

Control Test Stats

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

Operator's Signature

4/16/18

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:12
Control Test	0.082	11:13
Air Blank	0.000	11:13
Control Test	0.081	11:14
Air Blank	0.000	11:15
Control Test	0.082	11:15
Air Blank	0.000	11:16

Control Test Stats

Average	0.0817
Std Dev	0.0006
Rel Std Dev(%)	0.7070

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:17
Control Test	0.201	11:18
Air Blank	0.000	11:18
Control Test	0.201	11:19
Air Blank	0.000	11:19
Control Test	0.200	11:20
Air Blank	0.000	11:21

Control Test Stats

Average	0.2007
Std Dev	0.0006
Rel Std Dev(%)	0.2877

Operator's Signature

DGS

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005113
04/13/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:21
Control Test	0.079	11:22
Air Blank	0.000	11:22
Control Test	0.080	11:22
Air Blank	0.000	11:23
Control Test	0.080	11:23
Air Blank	0.000	11:24

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

Operator's Signature

DGS