INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Hillsborough CO SO 9/2/2020 SP S/N 80-006385

Date In 08-14-2020 DI Completion Date ~~8/18/2020~~ SP ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By KAW

- ☑ 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: _____

Quality Checks Performed By SP

- ☑ Breath Tube Screen
- ☑ Replace External O-Rings
- ☑ Instrument Set Up Verified
- ☑ R-Value 195
- ☑ Flow Verification (L/s)

Flow Column # ATP-105

32 mm	0.156	(.139 - .169)
36 mm	0.171	(.156 - .190)
53 mm	0.238	(.228 - .278)
103 mm	0.515	(.447 - .547)

- ☑ Barometric Pressure Check

Gauge ID # 28427

- ☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5088	201905A 05-14-2021
0.080	MP5089	201905B 05-14-2021
0.200	MP5090	201904D 04-30-2021
0.080 DGS	N/A	AG931603 11-12-2021

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 22.45/22.9
- External Digital Therm. ID#: 300505
- ☑ 34°C +-.2 Serial #: MP5088
- ☑ 34°C +-.2 Serial #: MP5089
- ☑ 34°C +-.2 Serial #: MP5090

Final Release Date

FDLE Alcohol Testing Program

Digitally signed by FDLE Alcohol Testing Program Date: 2020.09.11 12:07:52 -04'00'

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1015 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5091	N/A	N/A
0.040	MP5082	20060	2-10-22
0.100	MP5083	20190	4-6-22
0.200	MP5084	20160	3-18-22
0.300	MP5085	20030	1-21-22
0.080 DGS	N/A	035190804	4-5-21

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	MP5088	201905A	5-14-21
0.080	MP5089	201905B	5-14-21
0.200	MP5090	201904D	4-30-20
0.080 DGS	N/A AG011102		4-20-22

Department Inspection Performed By SP

Barometric Pressure ID# 28421 ~~26932~~ 28421 SP

Gauge 1012/1015 Instrument 1010/1015

Mouth Alcohol Solution Lot # 2019-B

Acetone Stock Solution Lot # 2019-A

Simulator	Serial Number
0.000	MP5086
Interferent	MP5087
0.050	MP5088
0.080	MP5089
0.200	MP5090

Attachments

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

Notes/Suggested Service:

Tech Review: Instrument Requires cal adjustment due to .08 ARS & DGS difference greater than .003. SP 9/2/2020

- ☑ **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**

Michael D Haughey 2020.09.10 08:53:53 -04'00' — Tech Review / Date

Brett Kirkland 2020.09.11 12:04:37 -04'00' — Admin Review / Date

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 80-006385 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006385
Owning Agency:	HILLSBOROUGH CO SO
Calibration Date:	09/02/2020
Calibration Time:	11:38

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
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).
The instrument results before and after any adjustment are found in the associated pre and post stability checks.

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.

09/02/2020
Date

Shayla Platt
SHAYLA D PLATT,
Department Inspector

MK BK 2020.09.11 12:05:05 -04'00'

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 11:38
Date of Inspection: 09/02/2020
Serial Number: 80-006385
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#:201905A Exp: 05/14/2021	0.08g/210L Test (g/210L) Lot#:201905B Exp: 05/14/2021	0.20g/210L Test (g/210L) Lot#:201904D Exp: 04/30/2021	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG011102 Exp: 04/20/2022
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.048	0.079	0.200	0.080
0.000	0.048	0.080	0.201	0.079
0.000	0.048	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.079
0.000	0.048	0.079	0.200	0.080
0.000	0.048	0.079	0.199	0.080
0.000	0.049	0.079	0.200	0.080
0.000	0.049	0.079	0.200	0.079

Standard Deviations	0.0005	0.0003	0.0004	0.0004

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

Remarks:

BK 2020.09.11 12:05:31 -04'00'

MK

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

09/02/2020
Date

FDLE/ATP Form 41 –Revised August 2005

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 15:16
Date of Inspection: 08/18/2020
Serial Number: 80-006385
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#:201905A Exp: 05/14/2021	0.08g/210L Test (g/210L) Lot#:201905B Exp: 05/14/2021	0.20g/210L Test (g/210L) Lot#:201904D Exp: 04/30/2021	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG931603 Exp: 11/12/2021
0.000	0.047	0.077	0.196	0.080
0.000	0.047	0.076	0.196	0.080
0.000	0.047	0.077	0.196	0.080
0.000	0.047	0.077	0.196	0.080
0.000	0.047	0.076	0.196	0.080
0.000	0.047	0.077	0.196	0.081
0.000	0.047	0.077	0.196	0.081
0.000	0.047	0.077	0.196	0.081
0.000	0.048	0.077	0.196	0.081
0.000	0.047	0.077	0.196	0.081

Standard Deviations	0.0003	0.0004	0.0000	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 Number of Simulators Used: 5

Remarks:

INSTRUMENT REQUIRES CAL ADJUSTMENT. WILL RE-INSPECT SP

MK

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

BK 2020.09.11 12:05:58 -04'00'

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

08/18/2020
Date

FDLE/ATP Form 41 –Revised August 2005

Stability Checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
08/17/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:28
Control Test	0.047	11:29
Air Blank	0.000	11:29
Control Test	0.047	11:30
Air Blank	0.000	11:30
Control Test	0.048	11:31
Air Blank	0.000	11:32
Control Test Stats		
Average	0.0473	
Std Dev	0.0006	
Rel Std Dev(%)	1.2198	

wet

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
08/17/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:33
Control Test	0.077	11:34
Air Blank	0.000	11:34
Control Test	0.077	11:35
Air Blank	0.000	11:35
Control Test	0.077	11:36
Air Blank	0.000	11:37
Control Test Stats		
Average	0.0770	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
08/17/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:43
Control Test	0.196	11:44
Air Blank	0.000	11:44
Control Test	0.196	11:45
Air Blank	0.000	11:45
Control Test	0.196	11:46
Air Blank	0.000	11:47
Control Test Stats		
Average	0.1960	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
08/17/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:49
Control Test	0.081	11:50
Air Blank	0.000	11:50
Control Test	0.080	11:50
Air Blank	0.000	11:51
Control Test	0.081	11:51
Air Blank	0.000	11:52
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

Dry

Operator's Signature

MX

BK 2020.09.11 12:06:18 -04'00'

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
09/02/2020 08:48:54

Auto Calibration
Max Power Res Value = 93
Auto Range Res Value = 71

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12707, 9um Io = 13976

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0830	(-0.0280)
Sample #2 =	0.0770	(-0.0200)
Sample #3 =	0.0420	(0.0050)
Sample #4 =	0.0760	(-0.0060)
Avg % Abs =	0.0650	(-0.0070)
STD DEV =	0.0199	(0.0125)
REL STD DEV =	30.654	(178.999)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1770	(-0.0130)
Sample #2 =	0.1540	(-0.0070)
Sample #3 =	0.1260	(0.0090)
Sample #4 =	0.1890	(-0.0210)
Avg % Abs =	0.1563	(-0.0063)
STD DEV =	0.0316	(0.0150)
REL STD DEV =	20.191	(237.017)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12704, 9um Io = 13975

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7600	(0.0000)
Sample #2 =	0.7900	(-0.0140)
Sample #3 =	0.7270	(0.0200)
Sample #4 =	0.7680	(0.0000)
Avg % Abs =	0.7617	(0.0020)
STD DEV =	0.0320	(0.0171)
REL STD DEV =	4.198	(854.401)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5930	(-0.0050)
Sample #2 =	1.5810	(0.0140)
Sample #3 =	1.5600	(0.0070)
Sample #4 =	1.5760	(-0.0020)
Avg % Abs =	1.5723	(0.0063)
STD DEV =	0.0110	(0.0080)
REL STD DEV =	0.698	(126.644)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12701, 9um Io = 13975

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7950	(-0.0080)
Sample #2 =	1.8150	(0.0030)
Sample #3 =	1.8400	(0.0020)
Sample #4 =	1.8040	(0.0110)
Avg % Abs =	1.8197	(0.0053)
STD DEV =	0.0184	(0.0049)
REL STD DEV =	1.014	(92.492)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6620	(0.0030)
Sample #2 =	3.6540	(0.0180)
Sample #3 =	3.6600	(0.0220)
Sample #4 =	3.6470	(0.0230)
Avg % Abs =	3.6537	(0.0210)
STD DEV =	0.0065	(0.0026)
REL STD DEV =	0.178	(12.599)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12697, 9um Io = 13972

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5060	(-0.0020)
Sample #2 =	3.4550	(0.0260)
Sample #3 =	3.5040	(0.0100)
Sample #4 =	3.4620	(0.0270)
Avg % Abs =	3.4737	(0.0210)
STD DEV =	0.0265	(0.0095)
REL STD DEV =	0.763	(45.426)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.9590	(-0.0030)
Sample #2 =	6.9140	(0.0420)
Sample #3 =	6.9600	(0.0180)
Sample #4 =	6.9390	(0.0320)
Avg % Abs =	6.9377	(0.0307)
STD DEV =	0.0230	(0.0121)
REL STD DEV =	0.332	(39.311)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12694, 9um Io = 13969

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.1000	(-0.0040)
Sample #2 =	5.1030	(0.0010)
Sample #3 =	5.1010	(0.0030)
Sample #4 =	5.0680	(0.0360)
Avg % Abs =	5.0907	(0.0133)
STD DEV =	0.0197	(0.0197)
REL STD DEV =	0.386	(147.415)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.9930	(-0.0070)
Sample #2 =	9.9890	(0.0110)
Sample #3 =	10.0140	(0.0080)
Sample #4 =	9.9690	(0.0280)
Avg % Abs =	9.9907	(0.0157)
STD DEV =	0.0225	(0.0108)
REL STD DEV =	0.226	(68.845)

CAL ADJUSTMENT
#80-006385 SP

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.065
Std Dev = 0.02 Rel Std Dev = 30.65
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.762
Std Dev = 0.03 Rel Std Dev = 4.20
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.820
Std Dev = 0.02 Rel Std Dev = 1.01
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.474
Std Dev = 0.03 Rel Std Dev = 0.76
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.091
Std Dev = 0.02 Rel Std Dev = 0.39
Zero Order Coef = -167.25
First Order Coef = 2663.03
Second Order Coef = 34.81
Standard Deviation = 22.704950

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.156
Std Dev = 0.03 Rel Std Dev = 20.19
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.572
Std Dev = 0.01 Rel Std Dev = 0.70
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.654
Std Dev = 0.01 Rel Std Dev = 0.18
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.938
Std Dev = 0.02 Rel Std Dev = 0.33
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.991
Std Dev = 0.02 Rel Std Dev = 0.23
Zero Order Coef = -190.41
First Order Coef = 1298.85
Second Order Coef = 14.95
Standard Deviation = 14.133142

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0001
0.040	0.040	0.0005
0.100	0.101	-0.0007
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	-0.0003
0.040	0.040	0.0003
0.100	0.100	0.0002
0.200	0.200	-0.0003
0.300	0.300	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3254.00
Sample #2 = 3341.00
Sample #3 = 3323.00
Sample #4 = 3308.00
Average Result = 3324.0000
STD DEV = 16.5227
REL STD DEV = 0.497
****
***** CHANNEL 2
Sample #1 = 3273.00
Sample #2 = 3286.00
Sample #3 = 3300.00
Sample #4 = 3309.00
Average Result = 3298.3333
STD DEV = 11.5902
REL STD DEV = 0.351
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1015
3 um H2O Adjust (mg/l*10,000) = 485
9 um H2O Adjust (mg/l*10,000) = 511
**** AUTO CAL PASS

SP

MK

BK 2020.09.11 12:06:36 -04'00'

Post Cal Adjust Stability Checks #80-006385

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
09/02/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:59
Control Test	0.048	10:00
Air Blank	0.000	10:01
Control Test	0.048	10:01
Air Blank	0.000	10:02
Control Test	0.048	10:03
Air Blank	0.000	10:03
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
09/02/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:48
Control Test	0.080	09:49
Air Blank	0.000	09:49
Control Test	0.079	09:50
Air Blank	0.000	09:51
Control Test	0.079	09:51
Air Blank	0.000	09:52
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

SP
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
09/02/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.201	09:44
Air Blank	0.000	09:45
Control Test	0.199	09:46
Air Blank	0.000	09:46
Control Test	0.199	09:47
Air Blank	0.000	09:47
Control Test Stats		
Average	0.1997	
Std Dev	0.0012	
Rel Std Dev(%)	0.5783	

SP
Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006385
09/02/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:55
Control Test	0.080	09:55
Air Blank	0.000	09:56
Control Test	0.080	09:56
Air Blank	0.000	09:57
Control Test	0.080	09:57
Air Blank	0.000	09:58
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS

SP
Operator's Signature

BK 2020.09.11 12:06:57 -04'00'

MK