FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Hillsborough County Sheriff's Office S/N 80-007158

Date In 09/14/2020 DI Completion Date 09-22-2020 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By RAW

☑ 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 Alcohol Testing Program

Digitally signed by FDLE Alcohol Testing Program
Date: 2020.09.25 08:35:21 -04'00'

Quality Checks Performed By IS

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 216
☑ Flow Verification (L/s)
Flow Column # ATP-105
32 mm 0.160 (.139 - .169)
36 mm 0.179 (.156 - .190)
53 mm 0.250 (.228 - .278)
103 mm 0.531 (.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 IS

☑ Lab Temp °C 20.84
External Digital Therm. ID#: 300503
☑ 34°C +-.2 Serial #: MP5088
☑ 34°C +-.2 Serial #: MP5089
☑ 34°C +-.2 Serial #: MP5090

Calibration Adjustment Performed By IS

Barometric Pressure Gauge 1020 ID # 26932

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5091	N/A	N/A
0.040	MP5082	20060	02-10-2022
0.100	MP5083	20190	04-06-2022
0.200	MP5084	20160	03-18-2022
0.300	MP5085	20030	01-21-2022
0.080 DGS	N/A	03519080A4	04-05-2021

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
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

Department Inspection Performed By IS

Barometric Pressure ID# 30793
Gauge 1020 Instrument 1020
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
☑ 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**

Michael D Haughey 2020.09.24 10:58:59 -04'00' — Tech Review / Date

2020.09.25 08:34:40 -04'00' — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO SO
Time of Inspection: 12:04
Date of Inspection: 09/22/2020
Serial Number: 80-007158
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	0.048	0.079	0.200	0.000 / 0.080
0.000	0.048	0.078	0.200	0.000 / 0.080
0.000	0.048	0.079	0.200	0.000 / 0.080
0.000	0.049	0.078	0.200	0.000 / 0.080
0.000	0.048	0.079	0.200	0.000 / 0.080
0.000	0.049	0.078	0.200	0.000 / 0.080
0.000	0.048	0.079	0.200	0.000 / 0.079
0.000	0.049	0.079	0.200	0.000 / 0.080
0.000	0.048	0.079	0.200	0.000 / 0.080
0.000	0.048	0.079	0.200	0.000 / 0.080
Standard Deviations	0.0004	0.0004	0.0000	0.0000 / 0.0003

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 Number of Simulators Used: 5

Remarks:

08: Control Outside Tolerance DRY GAS INLET NOT PLUGGED IN .

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

2020.09.25 08:34:01 -04'00'

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

Israel Soto

ISRAEL SOTO
Signature and Printed Name

09/22/2020
Date

FDLE/ATP Form 41 –Revised August 2005

Stability Checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/15/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:58
Control Test	0.047	11:59
Air Blank	0.000	11:59
Control Test	0.046	12:00
Air Blank	0.000	12:01
Control Test	0.047	12:01
Air Blank	0.000	12:02

Control Test Stats

Average	0.0467
Std Dev	0.0006
Rel Std Dev(%)	1.2372

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/15/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:03
Control Test	0.077	12:04
Air Blank	0.000	12:04
Control Test	0.077	12:05
Air Blank	0.000	12:05
Control Test	0.078	12:06
Air Blank	0.000	12:07

Control Test Stats

Average	0.0773
Std Dev	0.0006
Rel Std Dev(%)	0.7466

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/15/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:07
Control Test	0.198	12:08
Air Blank	0.000	12:09
Control Test	0.197	12:09
Air Blank	0.000	12:10
Control Test	0.197	12:11
Air Blank	0.000	12:11

Control Test Stats

Average	0.1973
Std Dev	0.0006
Rel Std Dev(%)	0.2926

Operator's Signature

wet

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/15/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:21
Control Test	0.079	12:22
Air Blank	0.000	12:22
Control Test	0.080	12:23
Air Blank	0.000	12:23
Control Test	0.079	12:23
Air Blank	0.000	12:24

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

Dry

Operator's Signature

MK

2020.09.25 08:33:41 -04'00'

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 80-007158 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-007158
Owning Agency:	HILLSBOROUGH CO SO
Calibration Date:	09/22/2020
Calibration Time:	12:04

	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.

09/22/2020
Date

ISRAEL SOTO,
Department Inspector

2020.09.25 08:33:19 -04'00'

FDLE/ATP Form 69 April 2020
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

Optical Bench Cal Adjust

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/22/2020 08:24:05

Auto Calibration
Max Power Res Value = 73
Auto Range Res Value = 47

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12352, 9um Io = 13282

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1590	(-0.0060)
Sample #2 =	0.1710	(0.0310)
Sample #3 =	0.1260	(0.0890)
Sample #4 =	0.1430	(0.1260)

Avg % Abs = 0.1467 (0.0820)
STD DEV = 0.0227 (0.0479)
REL STD DEV = 15.493 (58.397)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1180	(-0.0110)
Sample #2 =	0.1420	(-0.0100)
Sample #3 =	0.1130	(0.0270)
Sample #4 =	0.1210	(0.0410)

Avg % Abs = 0.1253 (0.0193)
STD DEV = 0.0150 (0.0264)
REL STD DEV = 11.950 (136.294)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12330, 9um Io = 13273

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8850	(-0.0010)
Sample #2 =	0.9230	(0.0170)
Sample #3 =	0.9010	(0.0470)
Sample #4 =	0.9290	(0.0680)

Avg % Abs = 0.9177 (0.0440)
STD DEV = 0.0147 (0.0256)
REL STD DEV = 1.606 (58.255)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4490	(0.0020)
Sample #2 =	1.4630	(0.0030)
Sample #3 =	1.4540	(0.0090)
Sample #4 =	1.4510	(0.0270)

Avg % Abs = 1.4560 (0.0130)
STD DEV = 0.0062 (0.0125)
REL STD DEV = 0.429 (96.077)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12316, 9um Io = 13267

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	2.0700	(-0.0190)
Sample #2 =	1.9980	(0.0580)
Sample #3 =	2.0500	(0.0580)
Sample #4 =	2.0530	(0.0820)

Avg % Abs = 2.0337 (0.0660)
STD DEV = 0.0309 (0.0139)
REL STD DEV = 1.521 (20.995)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4350	(-0.0060)
Sample #2 =	3.3870	(0.0270)
Sample #3 =	3.4310	(0.0130)
Sample #4 =	3.3940	(0.0450)

Avg % Abs = 3.4040 (0.0283)
STD DEV = 0.0236 (0.0160)
REL STD DEV = 0.695 (56.617)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12300, 9um Io = 13260

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.8480	(-0.0110)
Sample #2 =	3.8810	(0.0130)
Sample #3 =	3.8200	(0.0520)
Sample #4 =	3.8810	(0.0370)

Avg % Abs = 3.8607 (0.0340)
STD DEV = 0.0352 (0.0197)
REL STD DEV = 0.912 (57.860)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5380	(-0.0030)
Sample #2 =	6.5290	(0.0140)
Sample #3 =	6.5110	(0.0270)
Sample #4 =	6.5340	(0.0340)

Avg % Abs = 6.5247 (0.0250)
STD DEV = 0.0121 (0.0101)
REL STD DEV = 0.185 (40.596)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12291, 9um Io = 13253

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.6100	(-0.0130)
Sample #2 =	5.5850	(0.0300)
Sample #3 =	5.5700	(0.0650)
Sample #4 =	5.5830	(0.0570)

Avg % Abs = 5.5793 (0.0507)
STD DEV = 0.0081 (0.0183)
REL STD DEV = 0.146 (36.196)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.4030	(-0.0020)
Sample #2 =	9.4090	(0.0070)
Sample #3 =	9.3690	(0.0440)
Sample #4 =	9.3920	(0.0290)

Avg % Abs = 9.3900 (0.0267)
STD DEV = 0.0201 (0.0186)
REL STD DEV = 0.214 (69.788)

MH

2020.09.25 08:32:54 -04'00'

Optical Bench
Cal. Adj

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     ***** AUTO CAL DATA *****
     <<<<<  CHANNEL 1  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.147
 Std Dev =   0.02 Rel Std Dev =  15.49
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.918
 Std Dev =   0.01 Rel Std Dev =   1.61
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    2.034
 Std Dev =   0.03 Rel Std Dev =   1.52
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.861
 Std Dev =   0.04 Rel Std Dev =   0.91
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    5.579
 Std Dev =   0.01 Rel Std Dev =   0.15
Zero Order Coef = -352.89
First Order Coef = 2434.31
Second Order Coef =  33.68
Standard Deviation =  17.896711
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     <<<<<  CHANNEL 2  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.125
 Std Dev =   0.01 Rel Std Dev =  11.95
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.456
 Std Dev =   0.01 Rel Std Dev =   0.43
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.404
 Std Dev =   0.02 Rel Std Dev =   0.69
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.525
 Std Dev =   0.01 Rel Std Dev =   0.19
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    9.390
 Std Dev =   0.02 Rel Std Dev =   0.21
Zero Order Coef = -155.33
First Order Coef = 1380.61
Second Order Coef =  16.59
Standard Deviation =  25.619497
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| Solution Stats Quadratic Fit Chan 1 |
|  Act       Fit       Residual       |
| g/210L    g/210L      g/210L        |
| 0.000     0.000       -0.0001       |
| 0.040     0.040       -0.0001       |
| 0.100     0.099        0.0005       |
| 0.200     0.200       -0.0005       |
| 0.300     0.300        0.0002       |
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| Solution Stats Quadratic Fit Chan 2 |
|  Act       Fit       Residual       |
| g/210L    g/210L      g/210L        |
| 0.000     0.000       -0.0004       |
| 0.040     0.040        0.0003       |
| 0.100     0.099        0.0005       |
| 0.200     0.201       -0.0007       |
| 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 =  2937.00
Sample #2 =  2839.00
Sample #3 =  2891.00
Sample #4 =  2832.00
Average Result = 2854.0000
STD DEV = 32.2335
REL STD DEV = 1.129
**********
***** CHANNEL 2
Sample #1 =  3324.00
Sample #2 =  3308.00
Sample #3 =  3342.00
Sample #4 =  3304.00
Average Result = 3318.0000
STD DEV = 20.8806
REL STD DEV = 0.629
**********
Dry Gas H2O Adjust Results **********
  Barometric Pressure = 1020
  3 um H2O Adjust (mg/l*10,000) = 955
  9 um H2O Adjust (mg/l*10,000) = 491
**** AUTO CAL PASS
```

2020.09.25 08:32:31 -04'00'

Post Cal. Adjust Stability Checks

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/22/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.048	09:30
Air Blank	0.000	09:30
Control Test	0.048	09:31
Air Blank	0.000	09:32
Control Test	0.049	09:32
Air Blank	0.000	09:33
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/22/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.079	09:35
Air Blank	0.000	09:35
Control Test	0.079	09:36
Air Blank	0.000	09:36
Control Test	0.078	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Operator's Signature

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/22/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:38
Control Test	0.199	09:39
Air Blank	0.000	09:40
Control Test	0.199	09:40
Air Blank	0.000	09:41
Control Test	0.199	09:41
Air Blank	0.000	09:42
Control Test Stats		
Average	0.1990	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

wet

HILLSBOROUGH CO SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007158
09/22/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:43
Control Test	0.080	09:43
Air Blank	0.000	09:44
Control Test	0.080	09:44
Air Blank	0.000	09:45
Control Test	0.080	09:45
Air Blank	0.000	09:46
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Dry

Operator's Signature

2020.09.25 08:32:07 -04'00'