



INSTRUMENT PROCESSING SHEET

Florida Department of Law Enforcement

Agency Hillsborough CO SO

S/N 80-007163

Date In 08-17-2020

DI Completion Date 8/19/20

Ship P/U H/D CMI EE

Intake Performed By <u>KAW</u> <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Registration <input checked="" type="checkbox"/> Return from CMI / EE Visual Inspection: <input checked="" type="checkbox"/> Case <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/> Keyboard <input checked="" type="checkbox"/> Dry Gas Shelf <input checked="" type="checkbox"/> Feet <input checked="" type="checkbox"/> Breath Tube <input checked="" type="checkbox"/> Ports <input checked="" type="checkbox"/> Screws Tight Other Equipment/ Accessories: <input type="checkbox"/> Power cord <input type="checkbox"/> Printer Cable <input checked="" type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable Notes: _____	Quality Checks Performed By <u>SP</u> <input checked="" type="checkbox"/> Breath Tube Screen <input checked="" type="checkbox"/> Replace External O-Rings <input checked="" type="checkbox"/> Instrument Set Up Verified <input checked="" type="checkbox"/> R-Value <u>215</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP-105</u> 32 mm <u>0.156</u> (.139 - .169) 36 mm <u>0.171</u> (.156 - .190) 53 mm <u>0.238</u> (.228 - .278) 103 mm <u>0.511</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>30793</u> <input checked="" type="checkbox"/> Stability Checks <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td><u>SD1021</u></td> <td><u>201905A</u> <u>05-14-2021</u></td> </tr> <tr> <td>0.080</td> <td><u>DR1275</u></td> <td><u>201905B</u> <u>05-14-2021</u></td> </tr> <tr> <td>0.200</td> <td><u>SD1019</u></td> <td><u>201904D</u> <u>07-30-2021</u></td> </tr> <tr> <td>0.080 DGS</td> <td><u>N/A</u></td> <td><u>AG931603</u> <u>11-12-2021</u></td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	<u>SD1021</u>	<u>201905A</u> <u>05-14-2021</u>	0.080	<u>DR1275</u>	<u>201905B</u> <u>05-14-2021</u>	0.200	<u>SD1019</u>	<u>201904D</u> <u>07-30-2021</u>	0.080 DGS	<u>N/A</u>	<u>AG931603</u> <u>11-12-2021</u>	Flow Calibration Performed By _____ Flow Column # _____ <input type="checkbox"/> 5L/min - 17mm <input type="checkbox"/> 15L/min - 53mm <input type="checkbox"/> 30L/min - 103mm <input type="checkbox"/> R-Value _____ <input type="checkbox"/> 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 _____ <input type="checkbox"/> Battery Replacement <input type="checkbox"/> Dry Gas Regulator Replacement <input type="checkbox"/> Breath Tube Replacement <input type="checkbox"/> Other _____ Temperature Checks Performed By <u>SP</u> <input checked="" type="checkbox"/> Lab Temp °C <u>21.6</u> External Digital Therm. ID#: <u>300505</u> <input checked="" type="checkbox"/> 34°C +/-2 Serial #: <u>MP5088</u> <input checked="" type="checkbox"/> 34°C +/-2 Serial #: <u>MP5089</u> <input checked="" type="checkbox"/> 34°C +/-2 Serial #: <u>MP5090</u>																																	
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Notes/Suggested Service: _____ _____ _____ _____ _____	Department Inspection Performed By <u>SP</u> Barometric Pressure ID# <u>28421</u> Gauge <u>1010</u> Instrument <u>1008</u> Mouth Alcohol Solution Lot # <u>2019-B</u> Acetone Stock Solution Lot # <u>2019-A</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial Number</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td><u>MP5086</u></td> </tr> <tr> <td>Interferent</td> <td><u>MP5087</u></td> </tr> <tr> <td>0.050</td> <td><u>MP5088</u></td> </tr> <tr> <td>0.080</td> <td><u>MP5089</u></td> </tr> <tr> <td>0.200</td> <td><u>MP5090</u></td> </tr> </tbody> </table> Attachments <input checked="" type="checkbox"/> Form 41 <input checked="" type="checkbox"/> Stability Checks <input checked="" type="checkbox"/> Calibration Certificate <input checked="" type="checkbox"/> Calibration Adjustment <input checked="" type="checkbox"/> Post-Stability Checks <input type="checkbox"/> Flow Calibration <input type="checkbox"/> Form 40 <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Instrument Complies with Chapter 11D-8, FAC <input type="checkbox"/> Instrument Does Not Comply with Chapter 11D-8, FAC <input checked="" type="checkbox"/> Return to/Place into Evidentiary Use <input type="checkbox"/> Remain Out of Evidentiary Use <input checked="" type="checkbox"/> Conduct an Agency Inspection Before Evidentiary Use <div style="display: flex; justify-content: space-between; font-size: small;"> <div> David Eliezer Reyes Rivera <small>Digitally signed by David Eliezer Reyes Rivera Date: 2020.08.19 16:51:09 -04'00'</small> </div> <div> <u>Brett Kishland</u> 2020.08.20 08:21:19 -04'00' </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>Tech Review / Date</div> <div>Admin Review / Date</div> </div>		Simulator	Serial Number	0.000	<u>MP5086</u>	Interferent	<u>MP5087</u>	0.050	<u>MP5088</u>	0.080	<u>MP5089</u>	0.200	<u>MP5090</u>																																				
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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 80-007163, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-007163</u>	UNCERTAINTY* ±
Owning Agency:	<u>HILLSBOROUGH CO</u>	0.050 g/ 210 L
Calibration Date:	<u>08/19/2020</u>	0.080 g/ 210 L
Calibration Time:	<u>15:33</u>	0.200 g/ 210 L
		0.080 g/ 210 L Dry Gas Control
		0.005
		0.007
		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.
This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.

08/19/2020

Date

Shayla Platt

SHAYLA D PLATT,
Department Inspector

FDLE/ATP Form 69 April 2020

Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

Page 1 of 1

BK

2020.08.20
08:49:00
0400

Digitally signed
by DERR
Date: 2020.08.19
16:50:27 -0400

DERR

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HILLSBOROUGH CO
Time of Inspection: 15:33

Date of Inspection: 08/19/2020

Serial Number: 80-007163
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	0.048	0.079	0.200	0.080
0.000	0.049	0.079	0.199	0.079
0.000	0.049	0.079	0.200	0.079
0.000	0.049	0.079	0.200	0.080
0.000	0.048	0.079	0.199	0.079
0.000	0.049	0.079	0.199	0.079
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0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.079	0.199	0.080
0.000	0.049	0.079	0.199	0.080

Standard Deviations	0.0004	0.0000	0.0004	0.0005
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 Number of Simulators Used: 5

Remarks:

The above instrument complies () 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

08/19/2020
Date

Stability Checks

HILLSBOROUGH CO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007163
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:22
Control Test	0.046	12:23
Air Blank	0.000	12:23
Control Test	0.047	12:24
Air Blank	0.000	12:25
Control Test	0.048	12:25
Air Blank	0.000	12:26
Control Test Stats		
Average	0.0470	
Std Dev	0.0010	
Rel Std Dev(%)	2.1277	



 Operator's Signature

HILLSBOROUGH CO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007163
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:28
Control Test	0.078	12:29
Air Blank	0.000	12:29
Control Test	0.079	12:30
Air Blank	0.000	12:30
Control Test	0.079	12:31
Air Blank	0.000	12:32
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

Wet



 Operator's Signature

HILLSBOROUGH CO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007163
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:34
Control Test	0.200	12:34
Air Blank	0.000	12:35
Control Test	0.200	12:36
Air Blank	0.000	12:36
Control Test	0.200	12:37
Air Blank	0.000	12:38
Control Test Stats		
Average	0.2000	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	



 Operator's Signature

HILLSBOROUGH CO
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-007163
 08/18/2020
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:43
Control Test	0.078	12:43
Air Blank	0.000	12:44
Control Test	0.079	12:44
Air Blank	0.000	12:45
Control Test	0.078	12:45
Air Blank	0.000	12:45
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Dry



 Operator's Signature

BK 2020.08.20
 08:22:19
 -04'00"

DERR Digitally signed
 by DERR
 Date: 2020.08.19
 16:49:16 -04'00"

HILLSBOROUGH CO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007163
08/19/2020 08:59:01

Auto Calibration
Max Power Res Value = 84
Auto Range Res Value = 60

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %XX%
Samples Taken = 4, Discarded = 1
Sum Io = 12625, Sum lo = 13270

CHANNEL 1

Sample	% Abs	(% Abs Ref)
Sample #1	0.0770	(-0.0060)
Sample #2	0.1060	(-0.0300)
Sample #3	0.1480	(-0.0300)
Sample #4	0.1040	(-0.0020)

Avg % Abs = 0.1193 (-0.0207)
STD DEV = 0.0248 (0.0162)
REL STD DEV = 20.821 (78.222)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
Sample #1	0.0750	(-0.0060)
Sample #2	0.1040	(-0.0220)
Sample #3	0.1160	(-0.0240)
Sample #4	0.0840	(-0.0150)

Avg % Abs = 0.1013 (-0.0203)
STD DEV = 0.0162 (0.0047)
REL STD DEV = 15.953 (23.242)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %XX%
Samples Taken = 4, Discarded = 1
Sum Io = 12624, Sum lo = 13270

CHANNEL 1

Sample	% Abs	(% Abs Ref)
Sample #1	0.8560	(-0.0070)
Sample #2	0.8700	(-0.0150)
Sample #3	0.8500	(0.0070)
Sample #4	0.8400	(0.0070)

Avg % Abs = 0.8533 (-0.0003)
STD DEV = 0.0153 (0.0127)
REL STD DEV = 1.790 (3810.515)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
Sample #1	1.4400	(0.0030)
Sample #2	1.4610	(-0.0100)
Sample #3	1.4550	(-0.0070)
Sample #4	1.4380	(0.0000)

Avg % Abs = 1.4513 (-0.0057)
STD DEV = 0.0119 (0.0051)
REL STD DEV = 0.822 (90.558)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %XX%
Samples Taken = 4, Discarded = 1
Sum Io = 12623, Sum lo = 13269

CHANNEL 1

Sample	% Abs	(% Abs Ref)
Sample #1	1.9580	(-0.0100)
Sample #2	1.9430	(0.0130)
Sample #3	1.9230	(0.0140)
Sample #4	1.9640	(0.0000)

Avg % Abs = 1.9433 (0.0090)
STD DEV = 0.0205 (0.0078)
REL STD DEV = 1.055 (86.781)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
Sample #1	3.4300	(-0.0090)
Sample #2	3.4210	(0.0080)
Sample #3	3.4020	(0.0060)
Sample #4	3.4210	(0.0000)

Avg % Abs = 3.4147 (0.0047)
STD DEV = 0.0110 (0.0042)
REL STD DEV = 0.321 (89.214)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %XX%
Samples Taken = 4, Discarded = 1
Sum Io = 12619, Sum lo = 13267

CHANNEL 1

Sample	% Abs	(% Abs Ref)
Sample #1	3.6860	(-0.0100)
Sample #2	3.6900	(-0.0190)
Sample #3	3.7230	(-0.0310)
Sample #4	3.6710	(-0.0020)

Avg % Abs = 3.6947 (-0.0173)
STD DEV = 0.0263 (0.0146)
REL STD DEV = 0.712 (84.067)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
Sample #1	6.5480	(-0.0010)
Sample #2	6.5250	(0.0170)
Sample #3	6.5400	(0.0070)
Sample #4	6.5300	(0.0120)

Avg % Abs = 6.5317 (0.0120)
STD DEV = 0.0076 (0.0050)
REL STD DEV = 0.117 (41.667)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %XX%
Samples Taken = 4, Discarded = 1
Sum Io = 12621, Sum lo = 13267

CHANNEL 1

Sample	% Abs	(% Abs Ref)
Sample #1	5.3660	(-0.0020)
Sample #2	5.3260	(0.0380)
Sample #3	5.3020	(0.0460)
Sample #4	5.3050	(0.0510)

Avg % Abs = 5.3110 (0.0450)
STD DEV = 0.0131 (0.0066)
REL STD DEV = 0.246 (14.572)

CHANNEL 2

Sample	% Abs	(% Abs Ref)
Sample #1	9.4470	(-0.0110)
Sample #2	9.3940	(0.0370)
Sample #3	9.3910	(0.0300)
Sample #4	9.4020	(0.0270)

Avg % Abs = 9.3957 (0.0313)
STD DEV = 0.0057 (0.0051)
REL STD DEV = 0.061 (16.377)

AUTO CAL DATA

CHANNEL 1

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.119
Std Dev = 0.02 Rel Std Dev = 20.82
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.853
Std Dev = 0.02 Rel Std Dev = 1.79
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.943
Std Dev = 0.02 Rel Std Dev = 1.05
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.695
Std Dev = 0.03 Rel Std Dev = 0.71
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.311
Std Dev = 0.01 Rel Std Dev = 0.25
Zero Order Coef = -274.72
First Order Coef = 2487.56
Second Order Coef = 47.30
Standard Deviation = 28.453691

CHANNEL 2

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.101
Std Dev = 0.02 Rel Std Dev = 15.95
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.451
Std Dev = 0.01 Rel Std Dev = 0.82
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.415
Std Dev = 0.01 Rel Std Dev = 0.32
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.532
Std Dev = 0.01 Rel Std Dev = 0.12
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.396
Std Dev = 0.01 Rel Std Dev = 0.06
Zero Order Coef = -124.71
First Order Coef = 1364.37
Second Order Coef = 17.90
Standard Deviation = 19.513662

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0005
0.040	0.040	0.0005
0.100	0.099	0.0005
0.200	0.201	-0.0008
0.300	0.300	0.0003

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0002
0.100	0.100	0.0004
0.200	0.201	-0.0006
0.300	0.300	0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %XX%
Samples Taken = 4, Discarded = 1
CHANNEL 1
Sample #1 = 2942.00
Sample #2 = 2947.00
Sample #3 = 2926.00
Sample #4 = 2887.00
Average Result = 2920.0000
STD DEV = 30.4467
REL STD DEV = 1.043
CHANNEL 2
Sample #1 = 3320.00
Sample #2 = 3313.00
Sample #3 = 3329.00
Sample #4 = 3311.00
Average Result = 3317.6667
STD DEV = 9.8658
REL STD DEV = 0.297
ry Gas H2O Adjust Results *****
Barometric Pressure = 1009
3 um H2O Adjust (mg/l x 10,000) = 889
9 um H2O Adjust (mg/l x 10,000) = 492
*** AUTO CAL PASS

CAL ADJUSTMENT SP

HILLSBOROUGH CO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007163
08/19/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:25
Control Test	0.079	11:26
Air Blank	0.000	11:26
Control Test	0.080	11:26
Air Blank	0.000	11:27
Control Test	0.079	11:27
Air Blank	0.000	11:28
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

SP

Operator's Signature

HILLSBOROUGH CO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007163
08/19/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:43
Control Test	0.079	11:43
Air Blank	0.000	11:44
Control Test	0.080	11:45
Air Blank	0.000	11:45
Control Test	0.080	11:46
Air Blank	0.000	11:46
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

Post Cal
Adjust Stability
Checks

SP

Operator's Signature

HILLSBOROUGH CO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007163
08/19/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:38
Control Test	0.049	11:38
Air Blank	0.000	11:39
Control Test	0.049	11:40
Air Blank	0.000	11:40
Control Test	0.049	11:41
Air Blank	0.000	11:41
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP

Operator's Signature

HILLSBOROUGH CO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007163
08/19/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:47
Control Test	0.200	11:48
Air Blank	0.000	11:48
Control Test	0.201	11:49
Air Blank	0.000	11:50
Control Test	0.199	11:50
Air Blank	0.000	11:51
Control Test Stats		
Average	0.2000	
Std Dev	0.0010	
Rel Std Dev(%)	0.5000	

SP

Operator's Signature

BK 2020.08.20
08:23:13
-04'00'

DERR
Digitally signed
by DERR
Date:
2020.08.19
16:47:52 -04'00'