



INSTRUMENT PROCESSING SHEET

Agency Havana PDS/N 80-000950

Florida Department of Law Enforcement

Date In 9/26/18DI Completion Date 10/5/18 Ship P/U H/D CMI EE

Intake Performed By <u>SGC</u> <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Registration <input 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 type="checkbox"/> Static Bag <input type="checkbox"/> 12V DC Cable Notes: _____ _____ _____	Quality Checks Performed By <u>PSM</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>174</u> <input checked="" type="checkbox"/> Flow Verification (L/s) Flow Column # <u>ATP 102</u> 32 mm <u>.140</u> (.139 - .169) 36 mm <u>.158</u> (.156 - .190) 53 mm <u>.240</u> (.228 - .278) 103 mm <u>.476</u> (.447 - .547) <input checked="" type="checkbox"/> Barometric Pressure Check Gauge ID # <u>28427</u> <input checked="" type="checkbox"/> Stability Checks	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)
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Final Release Date

FDLE

OCT 08 2018

Alcohol Testing Program

Simulator	Serial #	Lot #/Exp
0.050	SD1021	201707D 7/25/19
0.080	DR1275	201707E 7/25/19
0.200	SD1013	201707C 7/24/19
0.080 DGS	N/A	AG805701 2/26/20

Maintenance Performed By _____

Battery Replacement
 Dry Gas Regulator Replacement
 Breath Tube Replacement
 Other _____

Temperature Checks Performed By PSM

Lab Temp °C 20-82.1

External Digital Therm. ID#: 300503

34°C +-2 Serial #: SD1021
 34°C +-2 Serial #: DR1275
 34°C +-2 Serial #: SD1013

Calibration Adjustment Performed By _____

Barometric Pressure Gauge 1018 ID # 28662

Simulator	Serial Number	Lot Number	Expiration
0.000	G2834	N/A	N/A
0.040	SD1022	17410	12/6/19
0.100	SD3964	18070	2/26/20
0.200	SD1025	17340	10/9/19
0.300	SD1024	18110	4/2/20
0.080 DGS	N/A	17817080A2	8/5/19

Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1021	201707D	7/25/19
0.080	DR1275	201707E	7/25/19
0.200	SD1013	201707C	7/24/19
0.080 DGS	N/A	AG805701	2/26/20

Department Inspection Performed By PSM

Barometric Pressure ID# 28427
 Gauge 1017 Instrument 1018
 Mouth Alcohol Solution Lot # 2018-B
 Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G11621
Interferent	DR3855
0.050	SD1021
0.080	DR1275
0.200	SD1013

Attachments

Form 41 Post-Stability Checks
 Stability Checks Flow Calibration
 Calibration Certificate Form 40
 Calibration Adjustment 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

10/8/18 J. Deane 10/8/18
 Tech Review / Date Admin Review / Date

Florida Department of Law Enforcement Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: HAVANA PD
Time of Inspection: 13:17

Date of Inspection: 10/05/2018

Serial Number: 80-000950
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#:AG805701 Exp: 02/26/2020
0.000	0.048	0.079	0.200	0.079
0.000	0.049	0.080	0.201	0.079
0.000	0.049	0.081	0.201	0.078
0.000	0.049	0.080	0.201	0.079
0.000	0.049	0.081	0.200	0.078
0.000	0.048	0.081	0.201	0.078
0.000	0.049	0.081	0.201	0.078
0.000	0.049	0.081	0.201	0.078
0.000	0.049	0.080	0.201	0.078
0.000	0.049	0.080	0.202	0.078

Standard Deviations	0.0004	0.0006	0.0005	0.0004
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Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 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.

Patrick J Murphy

PATRICK J MURPHY

Signature and Printed Name

10/05/2018
Date

10/8/18
JL

HAUANA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000950
09/27/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:29
Control Test	0.050	09:30
Air Blank	0.000	09:31
Control Test	0.049	09:31
Air Blank	0.000	09:32
Control Test	0.050	09:33
Air Blank	0.000	09:33
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

✓

P Murphy
Operator's Signature

HAUANA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000950
09/27/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.081	09:35
Air Blank	0.000	09:36
Control Test	0.082	09:37
Air Blank	0.000	09:37
Control Test	0.081	09:38
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

✓

P Murphy
Operator's Signature

HAUANA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000950
09/27/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:40
Control Test	0.202	09:40
Air Blank	0.000	09:41
Control Test	0.202	09:42
Air Blank	0.000	09:42
Control Test	0.201	09:43
Air Blank	0.000	09:43
Control Test Stats		
Average	0.2017	
Std Dev	0.0006	
Rel Std Dev(%)	0.2863	

✓

P Murphy
Operator's Signature

HAUANA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000950
09/27/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.077	09:45
Air Blank	0.000	09:45
Control Test	0.078	09:46
Air Blank	0.000	09:46
Control Test	0.078	09:46
Air Blank	0.000	09:47
Control Test Stats		
Average	0.0777	
Std Dev	0.0006	
Rel Std Dev(%)	0.7434	

✓

✓

D65

P Murphy
Operator's Signature

10/8/18
JD



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 80-000950, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-000950</u>	UNCERTAINTY* ±
Owning Agency:	<u>HAVANA PD</u>	0.050 g/ 210 L
Calibration Date:	<u>10/05/2018</u>	0.080 g/ 210 L
Calibration Time:	<u>13:17</u>	0.200 g/ 210 L
		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).

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.

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10/05/2018 Date
Patrick J Murphy
PATRICK J MURPHY,
Department Inspector

FDLE/ATP Form 69 July 2018
Issuing Authority: Alcohol Testing Program

Service • Integrity • Respect • Quality

10/8/18
JF

HAUANA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000950
10/05/2018 08:57:34

Auto Calibration
Max Power Res Value = 23
Auto Range Res Value = 9

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12785, 9um Io = 14253

Channel 1 data:
Sample % Abs (% Abs Ref)
Sample #1 = 0.1330 (-0.0110)
Sample #2 = 0.1160 (0.0480)
Sample #3 = 0.1110 (0.0840)
Sample #4 = 0.1210 (0.0820)
Avg % Abs = 0.1160 (0.0713)
STD DEV = 0.0000
REL STD DEV = 4.310 (28.363)

Channel 2 data:
Sample % Abs (% Abs Ref)
Sample #1 = 0.0870 (-0.0030)
Sample #2 = 0.1150 (0.0010)
Sample #3 = 0.0990 (0.0080)
Sample #4 = 0.1290 (0.0010)
Avg % Abs = 0.1143 (0.0033)
STD DEV = 0.0150 (0.0040)
REL STD DEV = 13.129 (121.244)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12767, 9um Io = 14247

Channel 1 data:
Sample % Abs (% Abs Ref)
Sample #1 = 0.8560 (-0.0210)
Sample #2 = 0.8530 (-0.0080)
Sample #3 = 0.8330 (-0.0110)
Sample #4 = 0.8420 (-0.0040)
Avg % Abs = 0.8427 (-0.0077)
STD DEV = 0.0100 (0.0035)
REL STD DEV = 1.189 (45.807)

Channel 2 data:
Sample % Abs (% Abs Ref)
Sample #1 = 1.5500 (-0.0060)
Sample #2 = 1.5650 (0.0000)
Sample #3 = 1.5810 (-0.0280)
Sample #4 = 1.5710 (-0.0060)
Avg % Abs = 1.5723 (-0.0113)
STD DEV = 0.0081 (0.0147)
REL STD DEV = 0.514 (130.078)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12765, 9um Io = 14246

Channel 1 data:
Sample % Abs (% Abs Ref)
Sample #1 = 1.9140 (-0.0270)
Sample #2 = 1.8860 (0.0190)
Sample #3 = 1.9290 (0.0130)
Sample #4 = 1.9210 (0.0030)
Avg % Abs = 1.9120 (0.0117)
STD DEV = 0.0229 (0.0081)
REL STD DEV = 1.196 (69.282)

Channel 2 data:
Sample % Abs (% Abs Ref)
Sample #1 = 3.6680 (-0.0090)
Sample #2 = 3.6730 (-0.0090)
Sample #3 = 3.6920 (0.0040)
Sample #4 = 3.6750 (0.0050)
Avg % Abs = 3.6800 (0.0000)
STD DEV = 0.0104 (0.0078)
REL STD DEV = 0.284 (0.000)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12765, 9um Io = 14244

Channel 1 data:
Sample % Abs (% Abs Ref)
Sample #1 = 3.6210 (-0.0100)
Sample #2 = 3.6100 (0.0450)
Sample #3 = 3.6390 (0.0210)
Sample #4 = 3.6510 (0.0380)
Avg % Abs = 3.6333 (0.0347)
STD DEV = 0.0211 (0.0123)
REL STD DEV = 0.580 (35.603)

Channel 2 data:
Sample % Abs (% Abs Ref)
Sample #1 = 6.9920 (-0.0280)
Sample #2 = 6.9670 (0.0250)
Sample #3 = 7.0150 (0.0120)
Sample #4 = 7.0260 (0.0290)
Avg % Abs = 7.0027 (0.0220)
STD DEV = 0.0314 (0.0089)
REL STD DEV = 0.448 (40.401)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12763, 9um Io = 14240

Channel 1 data:
Sample % Abs (% Abs Ref)
Sample #1 = 5.3000 (-0.0120)
Sample #2 = 5.3180 (0.0330)
Sample #3 = 5.3370 (0.0060)
Sample #4 = 5.3740 (0.0080)
Avg % Abs = 5.3430 (0.0157)
STD DEV = 0.0285 (0.0150)
REL STD DEV = 0.533 (96.028)

Channel 2 data:
Sample % Abs (% Abs Ref)
Sample #1 = 10.1160 (-0.0110)
Sample #2 = 10.1400 (0.0070)
Sample #3 = 10.2020 (-0.0230)
Sample #4 = 10.2040 (-0.0010)
Avg % Abs = 10.1820 (-0.0057)
STD DEV = 0.0364 (0.0155)
REL STD DEV = 0.357 (274.145)

Auto Cal Data Channel 1:
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.116
Std Dev = 0.00 Rel Std Dev = 4.31
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.843
Std Dev = 0.01 Rel Std Dev = 1.19
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.912
Std Dev = 0.02 Rel Std Dev = 1.20
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.633
Std Dev = 0.02 Rel Std Dev = 0.58
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.343
Std Dev = 0.03 Rel Std Dev = 0.53
Zero Order Coef = -317.69
First Order Coef = 2630.43
Second Order Coef = 19.55
Standard Deviation = 18.945112

Channel 2 Auto Cal Data:
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.114
Std Dev = 0.02 Rel Std Dev = 13.13
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.572
Std Dev = 0.01 Rel Std Dev = 0.51
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.680
Std Dev = 0.01 Rel Std Dev = 0.28
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.003
Std Dev = 0.03 Rel Std Dev = 0.45
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.182
Std Dev = 0.04 Rel Std Dev = 0.36
Zero Order Coef = -155.41
First Order Coef = 1294.45
Second Order Coef = 12.21
Standard Deviation = 11.067737

Solution Stats Quadratic Fit Chan 1		
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	0.199	0.0005
0.300	0.300	-0.0002

10/8/18
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Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0002
0.040	0.040	-0.0001
0.100	0.100	-0.0002
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 = 3191.00
 Sample #2 = 3097.00
 Sample #3 = 3121.00
 Sample #4 = 3182.00
 Average Result = 3133.3333
 STD DEV = 43.8216
 REL STD DEV = 1.399

***** CHANNEL 2
 Sample #1 = 3440.00
 Sample #2 = 3438.00
 Sample #3 = 3406.00
 Sample #4 = 3421.00
 Average Result = 3421.6667
 STD DEV = 16.0104
 REL STD DEV = 0.468

 Dry Gas H2O Adjust Results *****
 Barometric Pressure = 1018
 3 um H2O Adjust (mg/l*10,000) = 676
 9 um H2O Adjust (mg/l*10,000) = 388
 **** AUTO CAL PASS

Post Cal. Adjust
 Stabilities

HAUANA PD
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-000950
 10/05/2018
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.049	09:40
Air Blank	0.000	09:40
Control Test	0.049	09:41
Air Blank	0.000	09:42
Control Test	0.049	09:42
Air Blank	0.000	09:43
Control Test Stats		
Average	0.0490	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy

 Operator's Signature

HAUANA PD
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-000950
 10/05/2018
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.080	09:45
Air Blank	0.000	09:46
Control Test	0.081	09:46
Air Blank	0.000	09:47
Control Test	0.081	09:47
Air Blank	0.000	09:48
Control Test Stats		
Average	0.0807	
Std Dev	0.0006	
Rel Std Dev(%)	0.7157	

P Murphy

 Operator's Signature

HAUANA PD
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-000950
 10/05/2018
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:49
Control Test	0.199	09:50
Air Blank	0.000	09:50
Control Test	0.200	09:51
Air Blank	0.000	09:52
Control Test	0.200	09:52
Air Blank	0.000	09:53
Control Test Stats		
Average	0.1997	
Std Dev	0.0006	
Rel Std Dev(%)	0.2892	

P Murphy

 Operator's Signature

HAUANA PD
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-000950
 10/05/2018
 Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:54
Control Test	0.078	09:54
Air Blank	0.000	09:55
Control Test	0.078	09:55
Air Blank	0.000	09:55
Control Test	0.079	09:56
Air Blank	0.000	09:56
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

DGS

P Murphy

 Operator's Signature

10/8/18
 JD