FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Florida Highway Patrol S/N 80-006637

Date In 05/31/2018 DI Completion Date 06/19/2018 ☑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: 1. One foot missing. 2. Dry gas ring is not attached to the shelf.

Final Release Date

FDLE

JUN 19 2018

Alcohol Testing Program

Quality Checks Performed By DMB

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 220
☑ Flow Verification (L/s)
Flow Column # ATP 105
32 mm 0.160 (.139 - .169)
36 mm 0.183 (.156 - .190)
53 mm 0.253 (.228 - .278)
103 mm 0.542 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28662
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1018	201707D 07/25/2019
0.080	SD3962	201707E 07/25/2019
0.200	G2078	201707C 07/24/2019
0.080 DGS	N/A	AG805702 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 21.7
External Digital Therm. ID#: 300505
☑ 34°C +-.2 Serial #: SD1018
☑ 34°C +-.2 Serial #: SD3962
☑ 34°C +-.2 Serial #: G2078

Calibration Adjustment Performed By DMB

Barometric Pressure Gauge 1015 ID # 28427

Simulator	Serial Number	Lot Number	Expiration
0.000	G8144	N/A	N/A
0.040	G2403	17410	12/06/2019
0.100	G2879	18070	02/26/2020
0.200	G3709	17340	10/09/2019
0.300	G8149	18110	04/02/2020
0.080 DGS	N/A	17817080A2	08/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1018	201707D	07/25/2019
0.080	SD3962	201707E	07/25/2019
0.200	G2078	201707C	07/24/2019
0.080 DGS	N/A	AG805702	02/26/2020

Department Inspection Performed By DMB

Barometric Pressure ID# 28662
Gauge 1016 Instrument 1015
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G4444
Interferent	G6621
0.050	SD1018
0.080	SD3962
0.200	G2078

Attachments

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

Notes/Suggested Service: Replaced foot and spacer. DMB 6/5/18
Performed optical bench calibration adjustment to bring values closer to nominal. DMB 06/19/18
Will replace screws for dry gas holder ring prior to returning to agency.

☑ **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**

SP 6/19/18 — Tech Review / Date
J Graham 6/19/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 12:18
Date of Inspection: 06/19/2018
Serial Number: 80-006637
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	0.048	0.078	0.193	0.078
0.000	0.047	0.079	0.200	0.079
0.000	0.048	0.079	0.201	0.079
0.000	0.048	0.080	0.200	0.078
0.000	0.048	0.080	0.200	0.078
0.000	0.047	0.080	0.200	0.079
0.000	0.049	0.080	0.199	0.078
0.000	0.049	0.080	0.198	0.079
0.000	0.050	0.081	0.199	0.079
0.000	0.050	0.079	0.199	0.079

Standard Deviations	0.0010	0.0008	0.0022	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0011 Number of Simulators Used: 5

Remarks:

SP

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
Signature and Printed Name

06/19/2018
Date

6/19/18

FDLE/ATP Form 41 –Revised August 2005

Pre-Cal
Stability Checks #80-006637 FL Highway Patrol 6/5/18

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:05
Control Test	0.051	09:06
Air Blank	0.000	09:06
Control Test	0.051	09:07
Air Blank	0.000	09:08
Control Test	0.051	09:08
Air Blank	0.000	09:09
Control Test Stats		
Average	0.0510	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

8/19/18

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:11
Control Test	0.082	09:12
Air Blank	0.000	09:13
Control Test	0.083	09:13
Air Blank	0.000	09:14
Control Test	0.083	09:15
Air Blank	0.000	09:15
Control Test Stats		
Average	0.0827	
Std Dev	0.0006	
Rel Std Dev(%)	0.6984	

Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:17
Control Test	0.201	09:18
Air Blank	0.000	09:19
Control Test	0.201	09:19
Air Blank	0.000	09:20
Control Test	0.204	09:21
Air Blank	0.000	09:21
Control Test Stats		
Average	0.2020	
Std Dev	0.0017	
Rel Std Dev(%)	0.8574	

Operator's Signature

DGS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/05/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:32
Control Test	0.078	09:33
Air Blank	0.000	09:33
Control Test	0.078	09:34
Air Blank	0.000	09:34
Control Test	0.078	09:34
Air Blank	0.000	09:35
Control Test Stats		
Average	0.0780	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP

Operator's Signature

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 80-006637, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006637		UNCERTAINTY* ±
Owning Agency:	FL HIGHWAY PATROL	0.050 g/ 210 L	0.004
Calibration Date:	06/19/2018	0.080 g/ 210 L	0.005
Calibration Time:	12:18	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.

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06/19/2018
Date

DANIELLE M BELL,
Department Inspector

SP

06/19/18

Optical Bench Calibration Adjustment Data #80-006637 FL Highway Patrol 6/19/18 RMB

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/19/2018 08:48:53

Auto Calibration
Max Power Res Value = 89
Auto Range Res Value = 58

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12441, 9um Io = 12831

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0330	(-0.0090)
Sample #2 =	0.0650	(0.0090)
Sample #3 =	0.0720	(0.0240)
Sample #4 =	0.0170	(0.0630)

Avg % Abs = 0.0513 (0.0320)
STD DEV = 0.0299 (0.0279)
REL STD DEV = 58.322 (87.108)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1490	(-0.0020)
Sample #2 =	0.1910	(-0.0310)
Sample #3 =	0.1910	(-0.0150)
Sample #4 =	0.1980	(-0.0330)

Avg % Abs = 0.1933 (-0.0263)
STD DEV = 0.0040 (0.0099)
REL STD DEV = 2.090 (37.465)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12430, 9um Io = 12831

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8360	(-0.0240)
Sample #2 =	0.8370	(0.0070)
Sample #3 =	0.7880	(0.0530)
Sample #4 =	0.8230	(0.0530)

Avg % Abs = 0.8160 (0.0377)
STD DEV = 0.0252 (0.0266)
REL STD DEV = 3.093 (70.508)

SP 8/16/19

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6200	(-0.0260)
Sample #2 =	1.6120	(-0.0100)
Sample #3 =	1.5630	(0.0310)
Sample #4 =	1.6180	(-0.0210)

Avg % Abs = 1.5977 (0.0000)
STD DEV = 0.0302 (0.0274)
REL STD DEV = 1.888 (0.000)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12420, 9um Io = 12831

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9090	(-0.0090)
Sample #2 =	1.9050	(0.0430)
Sample #3 =	1.9210	(0.0370)
Sample #4 =	1.9290	(0.0510)

Avg % Abs = 1.9183 (0.0437)
STD DEV = 0.0122 (0.0070)
REL STD DEV = 0.637 (16.085)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6110	(0.0120)
Sample #2 =	3.6290	(0.0390)
Sample #3 =	3.6450	(0.0350)
Sample #4 =	3.6480	(0.0240)

Avg % Abs = 3.6407 (0.0327)
STD DEV = 0.0102 (0.0078)
REL STD DEV = 0.281 (23.778)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12412, 9um Io = 12826

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6070	(-0.0220)
Sample #2 =	3.6370	(0.0200)
Sample #3 =	3.6200	(0.0610)
Sample #4 =	3.6470	(0.0510)

Avg % Abs = 3.6347 (0.0440)
STD DEV = 0.0137 (0.0214)
REL STD DEV = 0.376 (48.585)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6250	(0.0220)
Sample #2 =	6.6720	(0.0170)
Sample #3 =	6.7480	(0.0400)
Sample #4 =	6.7730	(0.0250)

Avg % Abs = 6.7310 (0.0273)
STD DEV = 0.0526 (0.0117)
REL STD DEV = 0.781 (42.718)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12408, 9um Io = 12824

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4570	(-0.0090)
Sample #2 =	5.4220	(0.0550)
Sample #3 =	5.4500	(0.0460)
Sample #4 =	5.4820	(0.0540)

Avg % Abs = 5.4513 (0.0517)
STD DEV = 0.0300 (0.0049)
REL STD DEV = 0.551 (9.548)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.8120	(0.0120)
Sample #2 =	9.8880	(0.0540)
Sample #3 =	9.9330	(0.0400)
Sample #4 =	9.9280	(0.0680)

Avg % Abs = 9.9163 (0.0540)
STD DEV = 0.0247 (0.0140)
REL STD DEV = 0.249 (25.926)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.051
Std Dev = 0.03 Rel Std Dev = 58.32
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.816
Std Dev = 0.03 Rel Std Dev = 3.09
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.918
Std Dev = 0.01 Rel Std Dev = 0.64
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.635
Std Dev = 0.01 Rel Std Dev = 0.38
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.451
Std Dev = 0.03 Rel Std Dev = 0.55
Zero Order Coef = -187.00
First Order Coef = 2603.42
Second Order Coef = 10.66
Standard Deviation = 78.133240

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.193
Std Dev = 0.00 Rel Std Dev = 2.09
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.598
Std Dev = 0.03 Rel Std Dev = 1.89
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.641
Std Dev = 0.01 Rel Std Dev = 0.28
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.731
Std Dev = 0.05 Rel Std Dev = 0.78
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.916
Std Dev = 0.02 Rel Std Dev = 0.25
Zero Order Coef = -307.92
First Order Coef = 1382.64
Second Order Coef = 9.33
Standard Deviation = 73.123154

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0011
0.040	0.041	-0.0008
0.100	0.102	-0.0018
0.200	0.198	0.0023
0.300	0.301	-0.0008

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0008
0.040	0.040	-0.0004
0.100	0.102	-0.0018
0.200	0.198	0.0022
0.300	0.301	-0.0007

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3336.00
Sample #2 = 3330.00
Sample #3 = 3437.00
Sample #4 = 3411.00
Average Result = 3392.6667
STD DEV = 55.8062
REL STD DEV = 1.645
****
***** CHANNEL 2
Sample #1 = 3267.00
Sample #2 = 3269.00
Sample #3 = 3297.00
Sample #4 = 3322.00
Average Result = 3296.0000
STD DEV = 26.5141
REL STD DEV = 0.804
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1015
3 um H20 Adjust (mg/l*10,000) = 417
9 um H20 Adjust (mg/l*10,000) = 513
**** AUTO CAL PASS

SP

Post-Calibration Adjustment
Stability Checks #80-006637 FL Highway Patrol 6/19/18 DMB

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:32
Control Test	0.048	09:33
Air Blank	0.000	09:33
Control Test	0.048	09:34
Air Blank	0.000	09:35
Control Test	0.049	09:35
Air Blank	0.000	09:36
Control Test Stats		
Average	0.0483	
Std Dev	0.0006	
Rel Std Dev(%)	1.1945	

DMB
Operator's Signature
6/19/18

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:37
Control Test	0.080	09:38
Air Blank	0.000	09:38
Control Test	0.081	09:39
Air Blank	0.000	09:40
Control Test	0.080	09:40
Air Blank	0.000	09:41
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DMB
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:41
Control Test	0.197	09:42
Air Blank	0.000	09:43
Control Test	0.201	09:43
Air Blank	0.000	09:44
Control Test	0.201	09:45
Air Blank	0.000	09:45
Control Test Stats		
Average	0.1997	
Std Dev	0.0023	
Rel Std Dev(%)	1.1566	

DMB
Operator's Signature

DGS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
06/19/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:46
Control Test	0.078	09:47
Air Blank	0.000	09:47
Control Test	0.079	09:48
Air Blank	0.000	09:48
Control Test	0.079	09:48
Air Blank	0.000	09:49
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

SP

DMB
Operator's Signature

FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Florida Highway Patrol S/N 80-006637

Date In 04/19/2018 DI Completion Date 05/15/2018 ☑Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By JLS

☑ 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: Dry gas cylinder ring not attached, but with instrument. -missing foot/ spacer also

Final Release Date

FDLE

MAY 15 2018

Alcohol Testing Program

Quality Checks Performed By DMB

☑ Breath Tube Screen
☑ Replace External O-Rings
☑ Instrument Set Up Verified
☑ R-Value 220
☑ Flow Verification (L/s)
Flow Column # ATP 102
32 mm 0.148 (.139 - .169)
36 mm 0.167 (.156 - .190)
53 mm 0.242 (.228 - .278)
103 mm 0.511 (.447 - .547)
☑ Barometric Pressure Check
Gauge ID # 28427
☑ Stability Checks

Simulator	Serial #	Lot #/Exp
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	AG805702 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 SP

☑ Lab Temp °C 21.2
External Digital Therm. ID#: 300503
☑ 34°C +-.2 Serial #: SD1018
☑ 34°C +-.2 Serial #: SD3962
☑ 34°C +-.2 Serial #: G2078

Calibration Adjustment Performed By DMB

Barometric Pressure Gauge 1012 ID # 28662

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	17817080A2	08/05/2019

☑ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1018	201707D	07/25/2019
0.080	SD3962	201707E	07/25/2019
0.200	G2078	201707C	07/24/2019
0.080 DGS	N/A	AG805702	02/26/2020

Department Inspection Performed By DMB

Barometric Pressure ID# 28427
Gauge 1011 Instrument 1012
Mouth Alcohol Solution Lot # 2017-B
Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G4444
Interferent	G6621
0.050	SD1018
0.080	SD3962
0.200	G2078

Attachments

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

Notes/Suggested Service: Performed optical bench calibration adjustment to bring values closer to nominal. DMB 5/15/18

☑ **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**

5/15/18 Tech Review / Date

5/15/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 15:29

Date of Inspection: 05/15/2018

Serial Number: 80-006637
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	0.050	0.080	0.198	0.080
0.000	0.051	0.082	0.200	0.080
0.000	0.051	0.082	0.201	0.080
0.000	0.051	0.082	0.201	0.079
0.000	0.052	0.083	0.201	0.079
0.000	0.052	0.082	0.201	0.079
0.000	0.052	0.083	0.201	0.079
0.000	0.052	0.082	0.201	0.078
0.000	0.051	0.082	0.202	0.079
0.000	0.051	0.082	0.202	0.079

Standard Deviations	0.0006	0.0008	0.0011	0.0006

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0007 Number of Simulators Used: 5

Remarks:
A F / M A: M/A FROM MA ON ANOTHER INSTRUMENT.

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
Signature and Printed Name

05/15/2018
Date

5/15/18

FDLE/ATP Form 41 –Revised August 2005

Stability Checks #80-006637 FL Highway Patrol 4/24/18 KMB

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
04/24/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:31
Control Test	0.051	10:31
Air Blank	0.000	10:32
Control Test	0.052	10:33
Air Blank	0.000	10:33
Control Test	0.051	10:34
Air Blank	0.000	10:35
Control Test Stats		
Average	0.0513	
Std Dev	0.0006	
Rel Std Dev(%)	1.1247	

KMB
Operator's Signature

8/15/18

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
04/24/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:35
Control Test	0.082	10:36
Air Blank	0.000	10:37
Control Test	0.084	10:37
Air Blank	0.000	10:38
Control Test	0.083	10:39
Air Blank	0.000	10:39
Control Test Stats		
Average	0.0830	
Std Dev	0.0010	
Rel Std Dev(%)	1.2048	

KMB
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
04/24/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:41
Control Test	0.203	10:42
Air Blank	0.000	10:43
Control Test	0.204	10:43
Air Blank	0.000	10:44
Control Test	0.206	10:45
Air Blank	0.000	10:45
Control Test Stats		
Average	0.2043	
Std Dev	0.0015	
Rel Std Dev(%)	0.7476	

KMB
Operator's Signature

DGS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
04/24/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:47
Control Test	0.080	10:47
Air Blank	0.000	10:48
Control Test	0.079	10:48
Air Blank	0.000	10:49
Control Test	0.080	10:49
Air Blank	0.000	10:50
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

KMB
Operator's Signature

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 80-006637, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006637		UNCERTAINTY* ±
Owning Agency:	FL HIGHWAY PATROL	0.050 g/ 210 L	0.004
Calibration Date:	05/15/2018	0.080 g/ 210 L	0.005
Calibration Time:	15:29	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.

This document shall not be reproduced except in full, without written approval of the Florida Department of Law Enforcement Alcohol Testing Program.

05/15/2018
Date

DANIELLE M BELL,
Department Inspector

5/15/18

Optical bench calibration adjustment data #80-006637 FL Highway Patrol 5/15/18 MB

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
05/15/2018 12:33:46

Auto Calibration
Max Power Res Value = 88
Auto Range Res Value = 60
Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12775, 9um Io = 13010

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0390	(-0.0080)
Sample #2 =	0.0590	(0.0110)
Sample #3 =	0.0380	(0.0340)
Sample #4 =	-0.0160	(0.0860)

Avg % Abs = 0.0270 (0.0437)
STD DEV = 0.0387 (0.0384)
REL STD DEV = 143.300 (87.992)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1260	(-0.0110)
Sample #2 =	0.1040	(0.0030)
Sample #3 =	0.1190	(0.0110)
Sample #4 =	0.0900	(0.0250)

Avg % Abs = 0.1043 (0.0130)
STD DEV = 0.0145 (0.0111)
REL STD DEV = 13.901 (85.658)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12759, 9um Io = 13003

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7890	(-0.0140)
Sample #2 =	0.7400	(0.0350)
Sample #3 =	0.7820	(0.0350)
Sample #4 =	0.7900	(0.0450)

Avg % Abs = 0.7707 (0.0383)
STD DEV = 0.0269 (0.0058)
REL STD DEV = 3.485 (15.061)

5/15/18

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5120	(-0.0050)
Sample #2 =	1.4990	(0.0050)
Sample #3 =	1.5300	(0.0000)
Sample #4 =	1.5550	(-0.0050)

Avg % Abs = 1.5280 (0.0000)
STD DEV = 0.0281 (0.0050)
REL STD DEV = 1.836 (0.000)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12748, 9um Io = 13000

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8940	(-0.0120)
Sample #2 =	1.8480	(0.0340)
Sample #3 =	1.8660	(0.0630)
Sample #4 =	1.8560	(0.0730)

Avg % Abs = 1.8567 (0.0567)
STD DEV = 0.0090 (0.0203)
REL STD DEV = 0.486 (35.747)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5850	(-0.0220)
Sample #2 =	3.5160	(0.0650)
Sample #3 =	3.5310	(0.0690)
Sample #4 =	3.5360	(0.0760)

Avg % Abs = 3.5277 (0.0700)
STD DEV = 0.0104 (0.0056)
REL STD DEV = 0.295 (7.954)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12738, 9um Io = 12993

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6920	(-0.0210)
Sample #2 =	3.6610	(0.0690)
Sample #3 =	3.6650	(0.0970)
Sample #4 =	3.6190	(0.1350)

Avg % Abs = 3.6483 (0.1003)
STD DEV = 0.0255 (0.0331)
REL STD DEV = 0.698 (33.016)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7720	(-0.0050)
Sample #2 =	6.7370	(0.1040)
Sample #3 =	6.7400	(0.1370)
Sample #4 =	6.6990	(0.1730)

Avg % Abs = 6.7253 (0.1380)
STD DEV = 0.0229 (0.0345)
REL STD DEV = 0.340 (25.008)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12730, 9um Io = 12992

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4480	(-0.0110)
Sample #2 =	5.3230	(0.1280)
Sample #3 =	5.3410	(0.1420)
Sample #4 =	5.2950	(0.1720)

Avg % Abs = 5.3197 (0.1473)
STD DEV = 0.0232 (0.0225)
REL STD DEV = 0.436 (15.258)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.9060	(0.0000)
Sample #2 =	9.6830	(0.2320)
Sample #3 =	9.6970	(0.2360)
Sample #4 =	9.6840	(0.2550)

Avg % Abs = 9.6880 (0.2410)
STD DEV = 0.0078 (0.0123)
REL STD DEV = 0.081 (5.099)

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.027
Std Dev = 0.04 Rel Std Dev = 143.30
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.771
Std Dev = 0.03 Rel Std Dev = 3.48
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.857
Std Dev = 0.01 Rel Std Dev = 0.49
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.648
Std Dev = 0.03 Rel Std Dev = 0.70
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.320
Std Dev = 0.02 Rel Std Dev = 0.44
Zero Order Coef = -54.17
First Order Coef = 2511.45
Second Order Coef = 34.13
Standard Deviation = 28.132492

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.104
Std Dev = 0.01 Rel Std Dev = 13.90
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.528
Std Dev = 0.03 Rel Std Dev = 1.84
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.528
Std Dev = 0.01 Rel Std Dev = 0.30
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.725
Std Dev = 0.02 Rel Std Dev = 0.34
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.688
Std Dev = 0.01 Rel Std Dev = 0.08
Zero Order Coef = -143.57
First Order Coef = 1325.57
Second Order Coef = 16.87
Standard Deviation = 14.135464

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0003
0.040	0.040	0.0001
0.100	0.099	0.0007
0.200	0.201	-0.0008
0.300	0.300	0.0003

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0001
0.040	0.040	-0.0003
0.100	0.100	0.0004
0.200	0.200	-0.0002
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 = 3427.00
Sample #2 = 3426.00
Sample #3 = 3424.00
Sample #4 = 3496.00
Average Result = 3448.6667
STD DEV = 41.0041
REL STD DEV = 1.189
****
***** CHANNEL 2
Sample #1 = 3389.00
Sample #2 = 3364.00
Sample #3 = 3397.00
Sample #4 = 3384.00
Average Result = 3381.6667
STD DEV = 16.6233
REL STD DEV = 0.492
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1012
3 um H20 Adjust (mg/l*10,000) = 361
9 um H20 Adjust (mg/l*10,000) = 428
**** AUTO CAL PASS

Post Calibration Adjustment
Stability Checks #80-006637 FL Highway Patrol 5/15/18 DBS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
05/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:25
Control Test	0.050	13:26
Air Blank	0.000	13:27
Control Test	0.051	13:27
Air Blank	0.000	13:28
Control Test	0.051	13:29
Air Blank	0.000	13:29
Control Test Stats		
Average	0.0507	
Std Dev	0.0006	
Rel Std Dev(%)	1.1395	

Operator's Signature
5/15/18

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
05/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:30
Control Test	0.080	13:31
Air Blank	0.000	13:32
Control Test	0.082	13:32
Air Blank	0.000	13:33
Control Test	0.081	13:34
Air Blank	0.000	13:34
Control Test Stats		
Average	0.0810	
Std Dev	0.0010	
Rel Std Dev(%)	1.2346	

Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
05/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:37
Control Test	0.200	13:37
Air Blank	0.000	13:38
Control Test	0.198	13:39
Air Blank	0.000	13:39
Control Test	0.200	13:40
Air Blank	0.000	13:41
Control Test Stats		
Average	0.1993	
Std Dev	0.0012	
Rel Std Dev(%)	0.5793	

Operator's Signature

DBS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006637
05/15/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:42
Control Test	0.077	13:43
Air Blank	0.000	13:43
Control Test	0.079	13:44
Air Blank	0.000	13:44
Control Test	0.079	13:45
Air Blank	0.000	13:45
Control Test Stats		
Average	0.0783	
Std Dev	0.0012	
Rel Std Dev(%)	1.4741	

Operator's Signature

Florida Department of Law Enforcement
Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 12:31
Date of Inspection: 05/15/2018
Serial Number: 80-006637
Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted		No
Diagnostic Check (Pre-Inspection): OK		No
Alcohol Free Subject Test: 0.000		No
Mouth Alcohol Test: Slope Not Met		No
Interferent Detect Test: Interferent Detect		No
Diagnostic Check (Post-Inspection): OK		No

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#: Exp:	0.08g/210L Test (g/210L) Lot#: Exp:	0.20g/210L Test (g/210L) Lot#: Exp:	0.08 g/210L Dry Gas Std Test (g/210L) Lot#: Exp:

Number of Simulators Used: _____

Remarks:
BYPASSED AI TO OPERATE INSTRUMENT. NOT A COMPLIANCE CHECK.

N/A Compliance 5/15/18
Not Determined

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

I certify that I hold a valid Florida Department of Law Enforcement Agency Inspector Permit and that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

DANIELLE M BELL
Signature and Printed Name

05/15/2018
Date

5/15/18

FDLE/ATP Form 40 – March 2004