FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Florida Highway Patrol S/N 80-001119

Date In 04/13/2018 DI Completion Date 6/6/2018 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By JD

- ☑ 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

JUN 08 2018

Alcohol Testing Program

Quality Checks Performed By DPM

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 200
- ☒ Flow Verification (L/s)

Flow Column # ATP103

32 mm	.141	(.139 - .169)
36 mm	.164	(.156 - .190)
53 mm	.238	(.228 - .278)
103 mm	.484	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28427

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	G2835	201707D 07/25/2019
0.080	SD3962	201707E 07/25/2019
0.200	SD1025	201707C 07/24/2019
0.080 DGS	N/A	AG805702 2/26/20

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 SP

- ☒ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other _____

Temperature Checks Performed By DPM

- ☒ Lab Temp °C 21.2
- External Digital Therm. ID#: 3005023 DPM DPM
- ☒ 34°C +-.2 Serial #: ~~G2835~~ SD1021 DPM
- ☒ 34°C +-.2 Serial #: ~~SD3962~~ DR1275 DPM
- ☒ 34°C +-.2 Serial #: ~~SD1025~~ SD1019 DPM

Calibration Adjustment Performed By DPM

Barometric Pressure Gauge 1010 ID # 28662

Simulator	Serial Number	Lot Number	Expiration
0.000	G8144	N/A	N/A
0.040	G2463	17410	12/6/19
0.100	G2879	18070	2/26/20
0.200	G3709	17340	10/9/19
0.300	G8149	18110	4/2/20
0.080 DGS	N/A	228198085	10/5/19

- ☒ 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	SD1019	201707C	7/24/19
0.080 DGS	N/A	AG805702	2/26/20

Department Inspection Performed By DPM

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	G11621
Interferent	DR3855
0.050	SD1021
0.080	DR1275
0.200	SD1019

Attachments

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

Notes/Suggested Service: Replaced battery and printer port screw. All values within specifications. Calibrate - Adjusted to bring values closer to nominal.

- ☒ **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 6/8/18 — Tech Review / Date

[signature] 6/8/18 — Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 12:47
Date of Inspection: 06/06/2018
Serial Number: 80-001119
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	0.049	0.081	0.198	0.079
0.000	0.049	0.080	0.199	0.079
0.000	0.050	0.081	0.199	0.079
0.000	0.050	0.081	0.198	0.079
0.000	0.049	0.081	0.198	0.079
0.000	0.049	0.081	0.198	0.079
0.000	0.049	0.081	0.199	0.079
0.000	0.050	0.081	0.199	0.078
0.000	0.050	0.081	0.199	0.079
0.000	0.050	0.081	0.198	0.078
Standard Deviations	0.0005	0.0003	0.0005	0.0004

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

Patrick J Murphy
PATRICK J MURPHY
Signature and Printed Name

06/06/2018
Date

6/8/18
SP

FDLE/ATP Form 41 –Revised August 2005

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
05/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:32
Control Test	0.051	09:33
Air Blank	0.000	09:33
Control Test	0.050	09:34
Air Blank	0.000	09:34
Control Test	0.051	09:35
Air Blank	0.000	09:35

Control Test Stats

Average	0.0507
Std Dev	0.0006
Rel Std Dev(%)	1.1395

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
05/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:37
Control Test	0.082	09:37
Air Blank	0.000	09:38
Control Test	0.083	09:39
Air Blank	0.000	09:39
Control Test	0.082	09:40
Air Blank	0.000	09:40

Control Test Stats

Average	0.0823
Std Dev	0.0006
Rel Std Dev(%)	0.7012

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
05/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:42
Control Test	0.201	09:43
Air Blank	0.000	09:43
Control Test	0.201	09:44
Air Blank	0.000	09:44
Control Test	0.202	09:45
Air Blank	0.000	09:46

Control Test Stats

Average	0.2013
Std Dev	0.0006
Rel Std Dev(%)	0.2868

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
05/18/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:48
Control Test	0.079	09:48
Air Blank	0.000	09:49
Control Test	0.079	09:49
Air Blank	0.000	09:50
Control Test	0.079	09:50
Air Blank	0.000	09:50

Control Test Stats

Average	0.0790
Std Dev	0.0000
Rel Std Dev(%)	0.0000

DGS

P Murphy
Operator's Signature

SP

6/8/18
DO

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 80-001119, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001119
Owning Agency:	FL HIGHWAY PATROL
Calibration Date:	06/06/2018
Calibration Time:	12:47

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.005
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.

06/06/2018
Date

Patrick J Murphy
PATRICK J MURPHY,
Department Inspector

6/8/18

SP

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
06/06/2018 09:11:11

Auto Calibration
Max Power Res Value = 40
Auto Range Res Value = 24

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12738, 9um Io = 13633
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1020	(0.0070)
Sample #2 =	0.1060	(0.0430)
Sample #3 =	0.1190	(0.0530)
Sample #4 =	0.1040	(0.0860)

Avg % Abs = 0.1097 (0.0607)
STD DEV = 0.0081 (0.0225)
REL STD DEV = 7.427 (37.091)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1340	(0.0000)
Sample #2 =	0.1300	(0.0240)
Sample #3 =	0.1440	(0.0170)
Sample #4 =	0.1320	(0.0360)

Avg % Abs = 0.1353 (0.0257)
STD DEV = 0.0076 (0.0096)
REL STD DEV = 5.595 (37.438)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12723, 9um Io = 13627
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8480	(-0.0230)
Sample #2 =	0.8560	(0.0080)
Sample #3 =	0.8490	(0.0070)
Sample #4 =	0.8500	(0.0380)

Avg % Abs = 0.8517 (0.0177)
STD DEV = 0.0038 (0.0176)
REL STD DEV = 0.445 (99.715)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.6250	(-0.0090)
Sample #2 =	1.6290	(0.0040)
Sample #3 =	1.6340	(0.0020)
Sample #4 =	1.6420	(0.0160)

Avg % Abs = 1.6350 (0.0073)
STD DEV = 0.0066 (0.0076)
REL STD DEV = 0.401 (103.253)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12719, 9um Io = 13623
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9240	(-0.0090)
Sample #2 =	1.9310	(0.0230)
Sample #3 =	1.9270	(0.0140)
Sample #4 =	1.9300	(0.0400)

Avg % Abs = 1.9293 (0.0257)
STD DEV = 0.0021 (0.0132)
REL STD DEV = 0.108 (51.442)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7940	(-0.0270)
Sample #2 =	3.8060	(-0.0110)
Sample #3 =	3.7950	(-0.0030)
Sample #4 =	3.7970	(0.0000)

Avg % Abs = 3.7993 (-0.0047)
STD DEV = 0.0059 (0.0057)
REL STD DEV = 0.154 (121.848)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12712, 9um Io = 13620
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5870	(-0.0080)
Sample #2 =	3.6240	(-0.0060)
Sample #3 =	3.6150	(-0.0080)
Sample #4 =	3.6070	(0.0210)

Avg % Abs = 3.6153 (0.0023)
STD DEV = 0.0085 (0.0162)
REL STD DEV = 0.235 (694.145)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0790	(-0.0240)
Sample #2 =	7.0920	(0.0000)
Sample #3 =	7.0990	(-0.0070)
Sample #4 =	7.1000	(0.0140)

Avg % Abs = 7.0970 (0.0023)
STD DEV = 0.0044 (0.0107)
REL STD DEV = 0.061 (458.258)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12708, 9um Io = 13619
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2780	(-0.0060)
Sample #2 =	5.2890	(0.0060)
Sample #3 =	5.3330	(-0.0060)
Sample #4 =	5.3300	(-0.0030)

Avg % Abs = 5.3173 (-0.0010)
STD DEV = 0.0246 (0.0062)
REL STD DEV = 0.462 (624.500)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.3270	(-0.0110)
Sample #2 =	10.3550	(0.0000)
Sample #3 =	10.3840	(-0.0050)
Sample #4 =	10.3630	(0.0040)

Avg % Abs = 10.3673 (-0.0003)
STD DEV = 0.0150 (0.0045)
REL STD DEV = 0.144 (1352.775)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.110
Std Dev = 0.01 Rel Std Dev = 7.43
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.852
Std Dev = 0.00 Rel Std Dev = 0.44
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.929
Std Dev = 0.00 Rel Std Dev = 0.11
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.615
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.317
Std Dev = 0.02 Rel Std Dev = 0.46
Zero Order Coef = -315.01
First Order Coef = 2605.63
Second Order Coef = 27.15
Standard Deviation = 45.746365

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.135
Std Dev = 0.01 Rel Std Dev = 5.59
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.635
Std Dev = 0.01 Rel Std Dev = 0.40
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.799
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 7.097
Std Dev = 0.00 Rel Std Dev = 0.06
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.367
Std Dev = 0.01 Rel Std Dev = 0.14
Zero Order Coef = -199.27
First Order Coef = 1275.49
Second Order Coef = 11.96
Standard Deviation = 48.606876

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.001	0.0006
0.040	0.040	-0.0004
0.100	0.101	-0.0011
0.200	0.199	0.0013
0.300	0.300	-0.0005

SP

6/8/18
JD

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.001	0.0006
0.040	0.040	-0.0003
0.100	0.101	-0.0012
0.200	0.199	0.0014
0.300	0.301	-0.0005

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 2997.00
Sample #2 = 3058.00
Sample #3 = 2959.00
Sample #4 = 2936.00
Average Result = 2984.3333
STD DEV = 64.8254
REL STD DEV = 2.172
****
***** CHANNEL 2
Sample #1 = 3361.00
Sample #2 = 3369.00
Sample #3 = 3372.00
Sample #4 = 3382.00
Average Result = 3374.3333
STD DEV = 6.8069
REL STD DEV = 0.202
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1010
3 um H20 Adjust (mg/l*10,000) = 825
9 um H20 Adjust (mg/l*10,000) = 435
**** AUTO CAL PASS

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
06/06/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:00
Control Test	0.049	10:01
Air Blank	0.000	10:01
Control Test	0.049	10:02
Air Blank	0.000	10:02
Control Test	0.050	10:03
Air Blank	0.000	10:04
Control Test Stats		
Average	0.0493	
Std Dev	0.0006	
Rel Std Dev(%)	1.1703	

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
06/06/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:06
Control Test	0.080	10:07
Air Blank	0.000	10:07
Control Test	0.080	10:08
Air Blank	0.000	10:08
Control Test	0.081	10:09
Air Blank	0.000	10:09
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

P Murphy
Operator's Signature

80-001119
Post Stabilities

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
06/06/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:11
Control Test	0.198	10:12
Air Blank	0.000	10:12
Control Test	0.198	10:13
Air Blank	0.000	10:13
Control Test	0.198	10:14
Air Blank	0.000	10:15
Control Test Stats		
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001119
06/06/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:16
Control Test	0.079	10:16
Air Blank	0.000	10:17
Control Test	0.080	10:17
Air Blank	0.000	10:18
Control Test	0.080	10:18
Air Blank	0.000	10:19
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

DGS

P Murphy
Operator's Signature

SP
6/8/18

Florida Department of Law Enforcement
Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 12:23
Date of Inspection: 06/05/2018
Serial Number: 80-001119
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:
SKIPPED AI TO OPERATE INSTRUMENT

SP

N.A. NOT A COMPLIANCE CHECK

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.

Patrick J Murphy PATRICK J MURPHY
Signature and Printed Name

06/05/2018
Date

6/8/18

FDLE/ATP Form 40 – March 2004