FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency FHP Troop A S/N 80-001118

Date In 1/30/2020 DI Completion Date 2/5/20 ☒ Ship SP ☒ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By DP

☑ 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
FEB 07 2020
Alcohol Testing Program

Quality Checks Performed By [initials]

☒ Breath Tube Screen
☒ Replace External O-Rings
☒ Instrument Set Up Verified
☒ R-Value 222
☒ Flow Verification (L/s)
Flow Column # ATP-105
32 mm 0.152 (.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	SD1012	201905A 05-14-2021
0.080	DR1279	201905B 05-14-2021
0.200	SD1013	201904D 04-30-2021
0.080 DGS	N/A	AG916501 06-14-2021

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 SP

☒ Lab Temp °C 20.9
External Digital Therm. ID#: 300505
☒ 34°C +-.2 Serial #: MP5088
☒ 34°C +-.2 Serial #: MP5089
☒ 34°C +-.2 Serial #: MP5090

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1016 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	MP5091	N/A	N/A
0.040	MP5082	19080	3-4-21
0.100	MP5083	19160	7-9-21
0.200	MP5084	19040	1-29-21
0.300	MP5085	19010	1-3-21
0.080 DGS	N/A	08819080A1	6-5-21

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	MP5088	201905A	5-14-21
0.080	MP5089	201905B	5-14-21
0.200	MP5090	201904D	4-30-21
0.080 DGS	N/A	AG916501	6-14-21

Department Inspection Performed By SP

Barometric Pressure ID# 28427
Gauge 1013 Instrument 1014
Mouth Alcohol Solution Lot # 2018-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 ☒ 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**

PJM 2/6/20 Brett Kirkland 2/6/2020
Tech Review / Date Admin Review / Date

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
FORENSIC CALIBRATION LABORATORY

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 80-001118 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001118
Owning Agency:	FL HIGHWAY PATROL
Calibration Date:	02/05/2020
Calibration Time:	13:33

	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).

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.

02/05/2020
Date

Shayla Platt
SHAYLA D PLATT,
Department Inspector

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

Service • Integrity • Respect • Quality

PDM
TSK 2/6/2020

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FL HIGHWAY PATROL
Time of Inspection: 13:33
Date of Inspection: 02/05/2020
Serial Number: 80-001118
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	0.198	0.079
0.000	0.048	0.078	0.198	0.079
0.000	0.048	0.079	0.198	0.080
0.000	0.048	0.079	0.199	0.079
0.000	0.048	0.078	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.079	0.198	0.079
0.000	0.048	0.078	0.198	0.079

Standard Deviations	0.0000	0.0004	0.0003	0.0003

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

Remarks:

PDAM
BK
2/6/2020

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.

Shayla Platt SHAYLA D PLATT
Signature and Printed Name

02/05/2020
Date

Stability Checks

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
01/30/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:16
Control Test	0.048	13:16
Air Blank	0.000	13:17
Control Test	0.048	13:18
Air Blank	0.000	13:18
Control Test	0.048	13:19
Air Blank	0.000	13:19
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
01/30/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:21
Control Test	0.076	13:22
Air Blank	0.000	13:22
Control Test	0.077	13:23
Air Blank	0.000	13:24
Control Test	0.077	13:24
Air Blank	0.000	13:25
Control Test Stats		
Average	0.0767	
Std Dev	0.0006	
Rel Std Dev(%)	0.7531	

wet

Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
01/30/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:26
Control Test	0.197	13:26
Air Blank	0.000	13:27
Control Test	0.197	13:28
Air Blank	0.000	13:28
Control Test	0.198	13:29
Air Blank	0.000	13:29
Control Test Stats		
Average	0.1973	
Std Dev	0.0006	
Rel Std Dev(%)	0.2926	

Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
01/30/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:30
Control Test	0.081	13:31
Air Blank	0.000	13:31
Control Test	0.081	13:32
Air Blank	0.000	13:32
Control Test	0.082	13:32
Air Blank	0.000	13:33
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

Dry

Operator's Signature

PJM
BK
2/6/2020

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
02/05/2020 06:28:33

Auto Calibration
Max Power Res Value = 78
Auto Range Res Value = 52

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12507, 9um Io = 13322
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1010	(-0.0060)
Sample #2 =	0.1220	(-0.0220)
Sample #3 =	0.1040	(-0.0170)
Sample #4 =	0.0870	(0.0100)

Avg % Abs = 0.1043 (-0.0097)
STD DEV = 0.0175 (0.0172)
REL STD DEV = 16.775 (178.079)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1410	(-0.0210)
Sample #2 =	0.1170	(-0.0250)
Sample #3 =	0.1410	(-0.0320)
Sample #4 =	0.1130	(-0.0140)

Avg % Abs = 0.1237 (-0.0237)
STD DEV = 0.0151 (0.0091)
REL STD DEV = 12.246 (38.340)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12505, 9um Io = 13322
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8680	(-0.0130)
Sample #2 =	0.8590	(0.0090)
Sample #3 =	0.8410	(0.0270)
Sample #4 =	0.8020	(0.0180)

Avg % Abs = 0.8340 (0.0180)
STD DEV = 0.0291 (0.0090)
REL STD DEV = 3.494 (50.000)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5000	(-0.0170)
Sample #2 =	1.4890	(-0.0010)
Sample #3 =	1.5050	(-0.0040)
Sample #4 =	1.4840	(0.0020)

Avg % Abs = 1.4927 (-0.0010)
STD DEV = 0.0110 (0.0030)
REL STD DEV = 0.735 (300.000)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12500, 9um Io = 13322
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8560	(-0.0160)
Sample #2 =	1.8890	(-0.0250)
Sample #3 =	1.9100	(-0.0200)
Sample #4 =	1.9010	(0.0130)

Avg % Abs = 1.9000 (-0.0107)
STD DEV = 0.0105 (0.0206)
REL STD DEV = 0.555 (193.574)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4900	(0.0020)
Sample #2 =	3.4780	(0.0060)
Sample #3 =	3.4790	(0.0050)
Sample #4 =	3.4900	(0.0190)

Avg % Abs = 3.4823 (0.0100)
STD DEV = 0.0067 (0.0078)
REL STD DEV = 0.191 (78.102)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12496, 9um Io = 13321
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6120	(-0.0170)
Sample #2 =	3.5920	(0.0030)
Sample #3 =	3.5750	(-0.0040)
Sample #4 =	3.6370	(-0.0070)

Avg % Abs = 3.6013 (-0.0027)
STD DEV = 0.0320 (0.0051)
REL STD DEV = 0.890 (132.435)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7260	(0.0000)
Sample #2 =	6.7400	(0.0250)
Sample #3 =	6.7240	(0.0110)
Sample #4 =	6.7060	(0.0290)

Avg % Abs = 6.7233 (0.0217)
STD DEV = 0.0170 (0.0095)
REL STD DEV = 0.253 (43.623)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12494, 9um Io = 13319
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.2750	(-0.0330)
Sample #2 =	5.2830	(-0.0010)
Sample #3 =	5.2630	(0.0110)
Sample #4 =	5.2550	(-0.0030)

Avg % Abs = 5.2670 (0.0023)
STD DEV = 0.0144 (0.0076)
REL STD DEV = 0.274 (324.509)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7470	(-0.0100)
Sample #2 =	9.7320	(0.0170)
Sample #3 =	9.7210	(0.0310)
Sample #4 =	9.7170	(0.0250)

Avg % Abs = 9.7233 (0.0243)
STD DEV = 0.0078 (0.0070)
REL STD DEV = 0.080 (28.865)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.104
Std Dev = 0.02 Rel Std Dev = 16.78
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.834
Std Dev = 0.03 Rel Std Dev = 3.49
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.900
Std Dev = 0.01 Rel Std Dev = 0.55
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.601
Std Dev = 0.03 Rel Std Dev = 0.89
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.267
Std Dev = 0.01 Rel Std Dev = 0.27
Zero Order Coef = -283.12
First Order Coef = 2606.82
Second Order Coef = 30.52
Standard Deviation = 16.548639

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.124
Std Dev = 0.02 Rel Std Dev = 12.25
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.493
Std Dev = 0.01 Rel Std Dev = 0.73
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.482
Std Dev = 0.01 Rel Std Dev = 0.19
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.723
Std Dev = 0.02 Rel Std Dev = 0.25
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.723
Std Dev = 0.01 Rel Std Dev = 0.08
Zero Order Coef = -155.10
First Order Coef = 1357.76
Second Order Coef = 12.96
Standard Deviation = 25.699821

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0002
0.040	0.040	-0.0002
0.100	0.100	-0.0004
0.200	0.200	0.0005
0.300	0.300	-0.0002

Solution Stats Quadratic Fit Chan 2

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	-0.0007
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 = 3034.00
Sample #2 = 2988.00
Sample #3 = 3099.00
Sample #4 = 3001.00
Average Result = 3029.3333
STD DEV = 60.6822
REL STD DEV = 2.003
****
***** CHANNEL 2
Sample #1 = 3383.00
Sample #2 = 3413.00
Sample #3 = 3423.00
Sample #4 = 3405.00
Average Result = 3413.6667
STD DEV = 9.0185
REL STD DEV = 0.264
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1016
3 um H20 Adjust (mg/l*10,000) = 780
9 um H20 Adjust (mg/l*10,000) = 396
**** AUTO CAL PASS

CAL ADJUSTMENT
#80-0011118 SP

[illegible] BK 2/6/2020

Post Cal-Adjust
Stability Checks #80-001118

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
02/05/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:27
Control Test	0.049	10:28
Air Blank	0.000	10:28
Control Test	0.050	10:29
Air Blank	0.000	10:29
Control Test	0.048	10:30
Air Blank	0.000	10:31
Control Test Stats		
Average	0.0490	
Std Dev	0.0010	
Rel Std Dev(%)	2.0408	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
02/05/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:22
Control Test	0.079	10:23
Air Blank	0.000	10:24
Control Test	0.080	10:24
Air Blank	0.000	10:25
Control Test	0.080	10:26
Air Blank	0.000	10:26
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
02/05/2020
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:37
Control Test	0.199	10:38
Air Blank	0.000	10:38
Control Test	0.198	10:39
Air Blank	0.000	10:39
Control Test	0.199	10:40
Air Blank	0.000	10:40
Control Test Stats		
Average	0.1987	
Std Dev	0.0006	
Rel Std Dev(%)	0.2906	

SP
Operator's Signature

FL HIGHWAY PATROL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001118
02/05/2020
Software: 8100.27

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

DGS

SP
Operator's Signature

PDM TBK 2/6/2020