FDLE
Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Patrick AFB S/N 80-005146

Date In 11/27/18 DI Completion Date 12/7/18 ☒Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake Performed By SQC

- ☑ 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

DEC 10 2018

Alcohol Testing Program

Quality Checks Performed By SP

- ☒ Breath Tube Screen
- ☒ Replace External O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 143
- ☒ Flow Verification (L/s)

Flow Column # ATP105

32 mm	.148	(.139 - .169)
36 mm	.160	(.156 - .190)
53 mm	.238	(.228 - .278)
103 mm	.523	(.447 - .547)

- ☒ Barometric Pressure Check

Gauge ID # 28421

- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	SD1012	201707D 7-25-19
0.080	DR1279	201707E 7-25-19
0.200	DR3856	201707C 7-24-19
0.080 DGS	N/A	AG805701 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 _____

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

Temperature Checks Performed By SP

- ☒ Lab Temp °C 21.5

External Digital Therm. ID#: 300504

- ☒ 34°C +-.2 Serial #: SD1012
- ☒ 34°C +-.2 Serial #: DR1279
- ☒ 34°C +-.2 Serial #: DR3856

Calibration Adjustment Performed By SP

Barometric Pressure Gauge 1028 ID # 30793

Simulator	Serial Number	Lot Number	Expiration
0.000	G2834	N/A	N/A
0.040	SD1022	17410	12-6-19
0.100	SD39604	18070	2-26-20
0.200	SD1025	17340	10-9-19
0.300	SD1024	18110	4-2-20
0.080 DGS	N/A	178170804A2	8-5-19

☒ Post Calibration Adjustment Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.050	SD1012	201707D	7-25-19
0.080	DR1279	201707E	7-25-19
0.200	DR3856	201707C	7-24-19
0.080 DGS	N/A	AG805701	2-26-20

Department Inspection Performed By SP

Barometric Pressure ID# 28421

Gauge 1028 Instrument 1029

Mouth Alcohol Solution Lot # 2018-B

Acetone Stock Solution Lot # 2018-A

Simulator	Serial Number
0.000	G2408
Interferent	G2882
0.050	SD1012
0.080	DR1279
0.200	DR3856

Attachments

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

Notes/Suggested Service: Performed cal adjust due to barometric pressure difference > 10 pts SP

- ☒ **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**

12/10/18 Tech Review / Date

12/10/18 Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PATRICK AFB
Time of Inspection: 11:28
Date of Inspection: 12/07/2018
Serial Number: 80-005146
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	0.049	0.079	0.197	0.078
0.000	0.049	0.080	0.198	0.078
0.000	0.050	0.080	0.199	0.078
0.000	0.050	0.080	0.200	0.078
0.000	0.050	0.080	0.200	0.077
0.000	0.050	0.080	0.199	0.078
0.000	0.050	0.080	0.199	0.078
0.000	0.049	0.080	0.199	0.078
0.000	0.049	0.080	0.199	0.077
0.000	0.050	0.080	0.200	0.078

Standard Deviations	0.0005	0.0003	0.0009	0.0004

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

Remarks:

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
Signature and Printed Name

SHAYLA D PLATT

12/07/2018
Date

12/10/18

FDLE/ATP Form 41 –Revised August 2005

STABILITY CHECKS # 80-005146

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.049	09:36
Air Blank	0.000	09:36
Control Test	0.050	09:37
Air Blank	0.000	09:37
Control Test	0.050	09:38
Air Blank	0.000	09:38
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

SP
Operator's Signature

12/04/18

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.080	09:40
Air Blank	0.000	09:41
Control Test	0.079	09:41
Air Blank	0.000	09:42
Control Test	0.080	09:43
Air Blank	0.000	09:43
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:49
Control Test	0.199	09:49
Air Blank	0.000	09:50
Control Test	0.197	09:51
Air Blank	0.000	09:51
Control Test	0.197	09:52
Air Blank	0.000	09:52
Control Test Stats		
Average	0.1977	
Std Dev	0.0012	
Rel Std Dev(%)	0.5842	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/04/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.083	09:45
Air Blank	0.000	09:45
Control Test	0.082	09:46
Air Blank	0.000	09:46
Control Test	0.082	09:46
Air Blank	0.000	09:47
Control Test Stats		
Average	0.0823	
Std Dev	0.0006	
Rel Std Dev(%)	0.7012	

DGS

SP
Operator's Signature

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 80-005146 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-005146
Owning Agency:	PATRICK AFB
Calibration Date:	12/07/2018
Calibration Time:	11:28

	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 99.73% 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.

12/07/2018
Date

Shayla Platt
SHAYLA D PLATT,
Department Inspector

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

Service • Integrity • Respect • Quality

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/07/2018 08:43:14

Auto Calibration
Max Power Res Value = 33
Auto Range Res Value = 15

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12727, 9um Io = 12530

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1430	(-0.0180)
Sample #2 =	0.0830	(0.0820)
Sample #3 =	0.1350	(0.1160)
Sample #4 =	0.0600	(0.1880)

Avg % Abs = 0.0927 (0.1287)
STD DEV = 0.0384 (0.0541)
REL STD DEV = 41.464 (42.065)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1910	(0.0000)
Sample #2 =	0.1280	(0.0410)
Sample #3 =	0.1580	(0.0510)
Sample #4 =	0.1370	(0.0860)

Avg % Abs = 0.1410 (0.0593)
STD DEV = 0.0154 (0.0236)
REL STD DEV = 10.918 (39.824)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12693, 9um Io = 12514

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7940	(-0.0100)
Sample #2 =	0.8140	(-0.0030)
Sample #3 =	0.7770	(0.0520)
Sample #4 =	0.8210	(0.0610)

Avg % Abs = 0.8040 (0.0367)
STD DEV = 0.0236 (0.0346)
REL STD DEV = 2.941 (94.489)

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(8)997 12/10/18

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5010	(0.0030)
Sample #2 =	1.5260	(-0.0030)
Sample #3 =	1.4830	(0.0270)
Sample #4 =	1.5270	(0.0230)

Avg % Abs = 1.5120 (0.0157)
STD DEV = 0.0251 (0.0163)
REL STD DEV = 1.661 (103.973)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12683, 9um Io = 12508

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9030	(-0.0110)
Sample #2 =	1.9270	(0.0040)
Sample #3 =	1.8740	(0.0380)
Sample #4 =	1.9130	(0.0340)

Avg % Abs = 1.9047 (0.0253)
STD DEV = 0.0275 (0.0186)
REL STD DEV = 1.442 (73.355)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.4890	(-0.0040)
Sample #2 =	3.5030	(0.0000)
Sample #3 =	3.4960	(0.0050)
Sample #4 =	3.4890	(0.0120)

Avg % Abs = 3.4960 (0.0057)
STD DEV = 0.0070 (0.0060)
REL STD DEV = 0.200 (106.371)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12675, 9um Io = 12502

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5670	(-0.0070)
Sample #2 =	3.5600	(0.0370)
Sample #3 =	3.5760	(0.0450)
Sample #4 =	3.6280	(0.0260)

Avg % Abs = 3.5880 (0.0360)
STD DEV = 0.0356 (0.0095)
REL STD DEV = 0.991 (26.498)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.5900	(-0.0160)
Sample #2 =	6.5670	(0.0310)
Sample #3 =	6.5880	(0.0260)
Sample #4 =	6.5920	(0.0300)

Avg % Abs = 6.5823 (0.0290)
STD DEV = 0.0134 (0.0026)
REL STD DEV = 0.204 (9.123)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12670, 9um Io = 12500

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3020	(-0.0100)
Sample #2 =	5.3320	(0.0110)
Sample #3 =	5.2930	(0.0340)
Sample #4 =	5.3170	(0.0420)

Avg % Abs = 5.3140 (0.0290)
STD DEV = 0.0197 (0.0161)
REL STD DEV = 0.370 (55.495)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.6360	(-0.0120)
Sample #2 =	9.6180	(0.0460)
Sample #3 =	9.6210	(0.0510)
Sample #4 =	9.5660	(0.0840)

Avg % Abs = 9.6017 (0.0603)
STD DEV = 0.0309 (0.0206)
REL STD DEV = 0.322 (34.223)

CAL ADJUSTMENT
#80-005146

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.093
Std Dev = 0.04 Rel Std Dev = 41.46
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.804
Std Dev = 0.02 Rel Std Dev = 2.94
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.905
Std Dev = 0.03 Rel Std Dev = 1.44
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.588
Std Dev = 0.04 Rel Std Dev = 0.99
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.314
Std Dev = 0.02 Rel Std Dev = 0.37
Zero Order Coef = -251.93
First Order Coef = 2636.11
Second Order Coef = 19.48
Standard Deviation = 53.790192

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.141
Std Dev = 0.02 Rel Std Dev = 10.92
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.512
Std Dev = 0.03 Rel Std Dev = 1.66
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.496
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.582
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.602
Std Dev = 0.03 Rel Std Dev = 0.32
Zero Order Coef = -213.59
First Order Coef = 1388.27
Second Order Coef = 12.85
Standard Deviation = 30.305580

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0002
0.040	0.039	0.0005
0.100	0.102	-0.0016
0.200	0.199	0.0014
0.300	0.300	-0.0004

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0004
0.040	0.040	-0.0002
0.100	0.101	-0.0007
0.200	0.199	0.0009
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 = 3345.00
Sample #2 = 3378.00
Sample #3 = 3359.00
Sample #4 = 3375.00
Average Result = 3370.6667
STD DEV = 10.2144
REL STD DEV = 0.303
****
***** CHANNEL 2
Sample #1 = 3363.00
Sample #2 = 3377.00
Sample #3 = 3367.00
Sample #4 = 3390.00
Average Result = 3378.0000
STD DEV = 11.5326
REL STD DEV = 0.341
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1028
3 um H20 Adjust (mg/l*10,000) = 439
9 um H20 Adjust (mg/l*10,000) = 431
**** AUTO CAL PASS

POST CAL ADJUST STABILITY CHECKS #80-005146

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/07/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:39
Control Test	0.048	09:40
Air Blank	0.000	09:40
Control Test	0.049	09:41
Air Blank	0.000	09:41
Control Test	0.049	09:42
Air Blank	0.000	09:43
Control Test Stats		
Average	0.0487	
Std Dev	0.0006	
Rel Std Dev(%)	1.1863	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/07/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:44
Control Test	0.079	09:44
Air Blank	0.000	09:45
Control Test	0.080	09:46
Air Blank	0.000	09:46
Control Test	0.080	09:47
Air Blank	0.000	09:47
Control Test Stats		
Average	0.0797	
Std Dev	0.0006	
Rel Std Dev(%)	0.7247	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/07/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:34
Control Test	0.198	09:35
Air Blank	0.000	09:35
Control Test	0.198	09:36
Air Blank	0.000	09:36
Control Test	0.198	09:37
Air Blank	0.000	09:38
Control Test Stats		
Average	0.1980	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

SP
Operator's Signature

PATRICK AFB
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005146
12/07/2018
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:51
Control Test	0.079	09:51
Air Blank	0.000	09:52
Control Test	0.079	09:52
Air Blank	0.000	09:53
Control Test	0.080	09:53
Air Blank	0.000	09:54
Control Test Stats		
Average	0.0793	
Std Dev	0.0006	
Rel Std Dev(%)	0.7277	

DGS

SP
Operator's Signature

8/10/18

Florida Department of Law Enforcement
Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: PATRICK AFB
Time of Inspection: 09:17 Date of Inspection: 12/04/2018 Serial Number: 80-005146
Software: 8100.27

Check or Test	YES	NO
Date and/or Time Adjusted	Yes	
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:
Time-Date changed. BYPASSED AI TO OPERATE INSTRUMENT

N/A COMPLIANCE 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.

Shayla Platt
Signature and Printed Name SHAYLA D PLATT

12/04/2018
Date

12/10/18