



INSTRUMENT PROCESSING SHEET

Agency Patrick AFBS/N 80-001471Florida Department of
Law EnforcementDate In 12/9/2019DI Completion Date 12/18/19☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

Intake Performed By <u>DP</u> ☒ 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 30 2019 Alcohol Testing Program	Quality Checks Performed By <u>PGM</u> ☒ Breath Tube Screen ☒ Replace External O-Rings ☒ Instrument Set Up Verified ☒ R-Value <u>185</u> ☒ Flow Verification (L/s) Flow Column # <u>ATP102</u> 32 mm <u>.105</u> (.139 - .169) 36 mm <u>.128</u> (.156 - .190) 53 mm <u>.214</u> (.228 - .278) 103 mm <u>.476</u> (.447 - .547) ☒ Barometric Pressure Check Gauge ID # <u>28421</u> ☒ Stability Checks <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Simulator</th> <th>Serial #</th> <th>Lot #/Exp</th> </tr> </thead> <tbody> <tr> <td>0.050</td> <td><u>SD1018</u></td> <td><u>201905A</u> <u>5/14/21</u></td> </tr> <tr> <td>0.080</td> <td><u>SD3962</u></td> <td><u>201905B</u> <u>5/14/21</u></td> </tr> <tr> <td>0.200</td> <td><u>G2078</u></td> <td><u>201904D</u> <u>4/30/21</u></td> </tr> <tr> <td>0.080 DGS</td> <td>N/A</td> <td><u>AG716501</u> <u>6/14/21</u></td> </tr> </tbody> </table>	Simulator	Serial #	Lot #/Exp	0.050	<u>SD1018</u>	<u>201905A</u> <u>5/14/21</u>	0.080	<u>SD3962</u>	<u>201905B</u> <u>5/14/21</u>	0.200	<u>G2078</u>	<u>201904D</u> <u>4/30/21</u>	0.080 DGS	N/A	<u>AG716501</u> <u>6/14/21</u>	Flow Calibration Performed By <u>PGM</u> Flow Column # <u>ATP105</u> ☒ 5L/min - 17mm ☒ 15L/min - 53mm ☒ 30L/min - 103mm ☒ R-Value <u>185</u> ☒ Post Calibration Verification (L/s) Flow Column # <u>ATP102</u> 32 mm <u>.143</u> (.139 - .169) 36 mm <u>.164</u> (.156 - .190) 53 mm <u>.235</u> (.228 - .278) 103 mm <u>.465</u> (.447 - .547) Maintenance Performed By _____ ☐ Battery Replacement ☐ Dry Gas Regulator Replacement ☐ Breath Tube Replacement ☐ Other _____ Temperature Checks Performed By <u>PGM</u> ☒ Lab Temp °C <u>21.2</u> External Digital Therm. ID#: <u>300565</u> ☒ 34°C +/- .2 Serial #: <u>SD1018</u> ☒ 34°C +/- .2 Serial #: <u>SD3962</u> ☒ 34°C +/- .2 Serial #: <u>G2078</u>																																												
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Florida Department of Law Enforcement

Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: PATRICK AFB SFS
Time of Inspection: 11:17

Date of Inspection: 12/18/2019

Serial Number: 80-001471
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#:AG916501 Exp: 06/14/2021
0.000	0.049	0.079	0.199	0.079
0.000	0.049	0.080	0.202	0.079
0.000	0.050	0.080	0.202	0.079
0.000	0.050	0.080	0.203	0.080
0.000	0.050	0.080	0.202	0.079
0.000	0.050	0.080	0.202	0.079
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0.000	0.050	0.080	0.202	0.079
0.000	0.051	0.080	0.202	0.079

Standard Deviations	0.0005	0.0003	0.0010	0.0003
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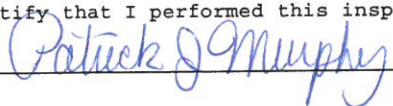
Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0005 Number of Simulators Used: 5

Remarks:

SP
BK
12/23/19

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

Signature and Printed Name

12/18/2019
Date

Florida Department of Law Enforcement Alcohol Testing Program

AGENCY INSPECTION REPORT - INTOXILYZER 8000

Agency: PATRICK AFB SFS
Time of Inspection: 08:19

Date of Inspection: 12/09/2019

Serial Number: 80-001471
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
BK
12/23/19

The above instrument complies (☒) 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

12/09/2019
Date

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/09/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:45
Control Test	0.048	09:46
Air Blank	0.000	09:46
Control Test	0.048	09:47
Air Blank	0.000	09:48
Control Test	0.048	09:48
Air Blank	0.000	09:49
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/09/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:50
Control Test	0.077	09:51
Air Blank	0.000	09:52
Control Test	0.077	09:52
Air Blank	0.000	09:53
Control Test	0.078	09:54
Air Blank	0.000	09:54
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

P Murphy
Operator's Signature

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/09/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:56
Control Test	0.195	09:56
Air Blank	0.000	09:57
Control Test	0.197	09:58
Air Blank	0.000	09:58
Control Test	0.195	09:59
Air Blank	0.000	09:59
Control Test Stats		
Average	0.1957	
Std Dev	0.0012	
Rel Std Dev(%)	0.5901	

P Murphy
Operator's Signature

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/09/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	10:02
Control Test	0.081	10:02
Air Blank	0.000	10:03
Control Test	0.081	10:03
Air Blank	0.000	10:04
Control Test	0.081	10:04
Air Blank	0.000	10:04
Control Test Stats		
Average	0.0810	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DG5

P Murphy
Operator's Signature

SP
BK
12/23/19

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 60-001471
12/16/2019 09:43:29

Auto Calibration
Max Power Res Value = 54
Auto Range Res Value = 26

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12682, Sum Io = 13947

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 0.1550 (0.0020)
Sample #2 = 0.1860 (0.0580)
Sample #3 = 0.1620 (0.1130)
Sample #4 = 0.1560 (0.1590)
Avg % Abs = 0.1680 (0.1100)
STD DEV = 0.0159 (0.0506)
REL STD DEV = 9.449 (45.970)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 0.2620 (-0.0100)
Sample #2 = 0.2790 (0.0190)
Sample #3 = 0.2660 (0.0370)
Sample #4 = 0.2660 (0.0490)
Avg % Abs = 0.2703 (0.0350)
STD DEV = 0.0075 (0.0151)
REL STD DEV = 2.776 (43.142)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12653, Sum Io = 13939

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 0.9240 (-0.0160)
Sample #2 = 0.8610 (0.0470)
Sample #3 = 0.8900 (0.0500)
Sample #4 = 0.8860 (0.0700)
Avg % Abs = 0.8790 (0.0557)
STD DEV = 0.0157 (0.0125)
REL STD DEV = 1.788 (22.461)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 1.7210 (-0.0140)
Sample #2 = 1.6890 (0.0250)
Sample #3 = 1.7150 (0.0210)
Sample #4 = 1.7240 (0.0280)
Avg % Abs = 1.7093 (0.0247)
STD DEV = 0.0182 (0.0035)
REL STD DEV = 1.063 (14.237)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12639, Sum Io = 13933

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 1.9560 (-0.0290)
Sample #2 = 1.9330 (0.0420)
Sample #3 = 1.9120 (0.0600)
Sample #4 = 1.9320 (0.0630)
Avg % Abs = 1.9257 (0.0550)
STD DEV = 0.0118 (0.0114)
REL STD DEV = 0.615 (20.651)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 3.7270 (-0.0150)
Sample #2 = 3.7020 (0.0290)
Sample #3 = 3.7020 (0.0440)
Sample #4 = 3.6990 (0.0560)
Avg % Abs = 3.7010 (0.0430)
STD DEV = 0.0017 (0.0135)
REL STD DEV = 0.047 (31.460)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12632, Sum Io = 13929

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 3.6150 (-0.0040)
Sample #2 = 3.5910 (0.0500)
Sample #3 = 3.6430 (0.0400)
Sample #4 = 3.6290 (0.0620)
Avg % Abs = 3.6210 (0.0507)
STD DEV = 0.0269 (0.0110)
REL STD DEV = 0.743 (21.740)

Channel 2
Sample % Abs (% Abs Ref)
Sample #1 = 6.8780 (0.0010)
Sample #2 = 6.8650 (0.0550)
Sample #3 = 6.8990 (0.0470)
Sample #4 = 6.8710 (0.0680)
Avg % Abs = 6.8783 (0.0567)
STD DEV = 0.0181 (0.0106)
REL STD DEV = 0.264 (18.704)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%
Samples Taken = 4, Discarded = 1
Sum Io = 12622, Sum Io = 13923

Channel 1
Sample % Abs (% Abs Ref)
Sample #1 = 5.2390 (-0.0180)
Sample #2 = 5.2540 (0.0140)
Sample #3 = 5.2550 (0.0210)
Sample #4 = 5.2570 (0.0290)
Avg % Abs = 5.2553 (0.0213)
STD DEV = 0.0015 (0.0075)
REL STD DEV = 0.029 (35.182)

Channel 2

Sample % Abs (% Abs Ref)
Sample #1 = 9.8860 (-0.0090)
Sample #2 = 9.8990 (0.0410)
Sample #3 = 9.9050 (0.0490)
Sample #4 = 9.9030 (0.0550)
Avg % Abs = 9.9023 (0.0483)
STD DEV = 0.0031 (0.0070)
REL STD DEV = 0.031 (14.532)

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

Channel 1
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.168
Std Dev = 0.02 Rel Std Dev = 9.45
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.879
Std Dev = 0.02 Rel Std Dev = 1.79
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.926
Std Dev = 0.01 Rel Std Dev = 0.62
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.621
Std Dev = 0.03 Rel Std Dev = 0.74
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.255
Std Dev = 0.00 Rel Std Dev = 0.03
Zero Order Coef = -443.87
First Order Coef = 2644.42
Second Order Coef = 30.10
Standard Deviation = 1.786625

Channel 2
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.270
Std Dev = 0.01 Rel Std Dev = 2.78
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.709
Std Dev = 0.02 Rel Std Dev = 1.06
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.701
Std Dev = 0.00 Rel Std Dev = 0.05
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.878
Std Dev = 0.02 Rel Std Dev = 0.26
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.902
Std Dev = 0.00 Rel Std Dev = 0.03
Zero Order Coef = -385.95
First Order Coef = 1335.90
Second Order Coef = 14.80
Standard Deviation = 24.283949

Solution Stats Quadratic Fit Chan 1
Act Fit Residual
g/210L g/210L g/210L
0.000 0.000 -0.0000
0.040 0.040 0.0000
0.100 0.100 0.0000
0.200 0.200 -0.0001
0.300 0.300 0.0000

SP BK 12/23/19

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0005
0.040	0.041	-0.0008
0.100	0.100	0.0000
0.200	0.200	0.0004
0.300	0.300	-0.0002

80-001471

Calibration Adjust

Sol Value = 0.080 g/210L ***

Fit value = 0.3810 mg/l %%%

Samples Taken = 4, Discarded = 1

***** CHANNEL 1

Sample #1 = 2931.00

Sample #2 = 2922.00

Sample #3 = 2970.00

Sample #4 = 2937.00

Average Result = 2943.0000

STD DEV = 24.5561

REL STD DEV = 0.834

***** CHANNEL 2

Sample #1 = 3018.00

Sample #2 = 3038.00

Sample #3 = 3028.00

Sample #4 = 3013.00

Average Result = 3026.3333

STD DEV = 12.5831

REL STD DEV = 0.416

Dry Gas H2O Adjust Results *****

Barometric Pressure = 1020

3 um H2O Adjust (mg/l*10,000) = 866

9 um H2O Adjust (mg/l*10,000) = 783

**** AUTO CAL PASS

SP

BK

12/23/19

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/18/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:43
Control Test	0.048	08:43
Air Blank	0.000	08:44
Control Test	0.048	08:45
Air Blank	0.000	08:45
Control Test	0.048	08:46
Air Blank	0.000	08:46
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

P Murphy
Operator's Signature

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/18/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:48
Control Test	0.078	08:49
Air Blank	0.000	08:50
Control Test	0.079	08:50
Air Blank	0.000	08:51
Control Test	0.079	08:51
Air Blank	0.000	08:52
Control Test Stats		
Average	0.0787	
Std Dev	0.0006	
Rel Std Dev(%)	0.7339	

P Murphy
Operator's Signature

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/18/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:53
Control Test	0.196	08:54
Air Blank	0.000	08:55
Control Test	0.199	08:55
Air Blank	0.000	08:56
Control Test	0.199	08:56
Air Blank	0.000	08:57
Control Test Stats		
Average	0.1980	
Std Dev	0.0017	
Rel Std Dev(%)	0.8748	

P Murphy
Operator's Signature

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/18/2019
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:58
Control Test	0.080	08:59
Air Blank	0.000	08:59
Control Test	0.080	09:00
Air Blank	0.000	09:00
Control Test	0.080	09:00
Air Blank	0.000	09:01
Control Test Stats		
Average	0.0800	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

D65

P Murphy
Operator's Signature

POST CALIBRATION
ADJUST AND FLOW

PATRICK AFB SFS
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001471
12/09/2019
Software: 8100.27

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff) = 7.000
2: Rate (Liters/min) = 15
SQRT(Diff) = 11.312
3: Rate (Liters/min) = 30
SQRT(Diff) = 21.676
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 647
Rounded Intercept = -541286
Correlation = 0.99296

SP
13K
12/23/19



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 80-001471, manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	<u>80-001471</u>	UNCERTAINTY* $\pm$	
Owning Agency:	<u>PATRICK AFB SFS</u>	0.050 g/ 210 L	0.004
Calibration Date:	<u>12/18/2019</u>	0.080 g/ 210 L	0.004
Calibration Time:	<u>11:17</u>	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.

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FDLE/ATP Form 69 July 2018

Issuing Authority: Alcohol Testing Program

12/18/2019

Date

Patrick J Murphy
PATRICK J MURPHY,

Department Inspector

Service • Integrity • Respect • Quality

SP
BK
12/23/19