INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency Kennedy Space Center S/N 80-006621

Date In 05/23/2023 DI Completion Date 06/01/2023 ■Ship ☐P/U ☐H/D ☐CMI ☐EE

Intake By TDG

■ 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:

Quality Checks By TDG Date 05/30/2023

■ Breath Tube Screen
■ Replace External O-Rings
■ Instrument Set Up Verified
■ R-Value 219
■ Flow Verification (L/s)
Flow Column # ATP104
32 mm 0.152 (.139 - .169)
36 mm 0.171 (.156 - .190)
53 mm 0.242 (.228 - .278)
103 mm 0.503 (.447 - .547)
■ Barometric Pressure Check
Gauge ID # 26932
■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5094	202201C
		01/11/2024
0.080	MP5095	202201D
		01/18/2024
0.200	MP5096	202201E
		01/18/2024
0.080 DGS	N/A	AG115904
		06/08/2023

Flow Calibration By Date

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 By

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

Calibration Adjustment By TDG

Barometric Pressure Gauge 1012 ID # 28199

Simulator	Serial #	Lot #	Expiration
0.000	MP6284	N/A	N/A
0.040	MP6285	21410	09/30/2023
0.100	MP6286	22310	08/11/2024
0.200	MP4864	22050	02/07/2024
0.300	MP6288	22220	06/15/2024
0.080 DGS	N/A	AG222203	08/10/2024

■ Post Calibration Adjustment Stability Checks

Simulator	Serial #	Lot #	Expiration
0.050	MP5094	202201C	01/11/2024
0.080	MP5095	202201D	01/18/2024
0.200	MP5096	202201E	01/18/2024
0.080 DGS	N/A	AG115904	06/08/2023

Department Inspection By TDG

Barometric Pressure ID# 26932
Gauge 1007 Instrument 1012
Mouth Alcohol Solution Lot # 2021-D
Acetone Stock Solution Lot # 2022-B

Simulator	Serial Number
0.000	MP5092
Interferent	MP5093
0.050	MP5094
0.080	MP5095
0.200	MP5096

Attachments

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

Notes/Suggested Service: Performed discretionary optical calibration adjustment due to barometric pressure check in Quality Checks. (TDG)

Added static bag and plastic caps for shipping. (TDG)

■ **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**

Israel Soto Digitally signed by Israel Soto Date: 2023.06.08 08:34:57 -04'00' — Tech Review / Date

Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2023.06.09 13:07:34 -04'00' — Admin Review / Date

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-006621	Kennedy Space Center	05 | 30 | 2023	TDG MG

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 ✓	0.077 to 0.083 ✓	0.194 to 0.206 ✓	0.077 to 0.083 ✓ ≤0.003 of Wet ✓

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
05/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:36
Control Test	0.050	11:36
Air Blank	0.000	11:37
Control Test	0.050	11:38
Air Blank	0.000	11:38
Control Test	0.050	11:39
Air Blank	0.000	11:39
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MG
Operator's Signature

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
05/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.079	11:46
Air Blank	0.000	11:46
Control Test	0.079	11:47
Air Blank	0.000	11:47
Control Test	0.079	11:48
Air Blank	0.000	11:49
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MG
Operator's Signature

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
05/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:52
Control Test	0.200	11:53
Air Blank	0.000	11:54
Control Test	0.199	11:54
Air Blank	0.000	11:55
Control Test	0.199	11:56
Air Blank	0.000	11:56
Control Test Stats		
Average	0.1993	
Std Dev	0.0006	
Rel Std Dev(%)	0.2896	

MG
Operator's Signature

065

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
05/30/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:00
Control Test	0.081	11:00
Air Blank	0.000	11:01
Control Test	0.082	11:01
Air Blank	0.000	11:02
Control Test	0.081	11:02
Air Blank	0.000	11:03
Control Test Stats		
Average	0.0813	
Std Dev	0.0006	
Rel Std Dev(%)	0.7099	

MG
Operator's Signature

Comments:

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
06/01/2023 09:01:40

Auto Calibration
Max Power Res Value = 118
Auto Range Res Value = 91

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12612, 9um Io = 12524

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1450	(-0.0090)
Sample #2 =	0.1280	(0.0060)
Sample #3 =	0.0960	(0.0540)
Sample #4 =	0.1460	(0.0600)

Avg % Abs = 0.1233 (0.0400)
STD DEV = 0.0253 (0.0296)
REL STD DEV = 20.533 (73.993)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1800	(-0.0050)
Sample #2 =	0.1710	(0.0040)
Sample #3 =	0.1480	(0.0350)
Sample #4 =	0.1920	(0.0310)

Avg % Abs = 0.1703 (0.0233)
STD DEV = 0.0220 (0.0169)
REL STD DEV = 12.920 (72.267)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12589, 9um Io = 12512

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8280	(-0.0020)
Sample #2 =	0.8740	(-0.0010)
Sample #3 =	0.8320	(0.0250)
Sample #4 =	0.8880	(0.0220)

Avg % Abs = 0.8647 (0.0153)
STD DEV = 0.0291 (0.0142)
REL STD DEV = 3.370 (92.768)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5660	(0.0000)
Sample #2 =	1.5960	(-0.0060)
Sample #3 =	1.5750	(0.0010)
Sample #4 =	1.5890	(0.0090)

Avg % Abs = 1.5867 (0.0013)
STD DEV = 0.0107 (0.0075)
REL STD DEV = 0.674 (562.917)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12571, 9um Io = 12505

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8990	(-0.0060)
Sample #2 =	1.9340	(0.0060)
Sample #3 =	1.9070	(0.0180)
Sample #4 =	1.9120	(0.0280)

Avg % Abs = 1.9177 (0.0173)
STD DEV = 0.0144 (0.0110)
REL STD DEV = 0.749 (63.549)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6150	(-0.0090)
Sample #2 =	3.6220	(0.0080)
Sample #3 =	3.6170	(0.0050)
Sample #4 =	3.6020	(0.0120)

Avg % Abs = 3.6137 (0.0083)
STD DEV = 0.0104 (0.0035)
REL STD DEV = 0.288 (42.143)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12562, 9um Io = 12500

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6910	(-0.0140)
Sample #2 =	3.6650	(0.0200)
Sample #3 =	3.6710	(0.0060)
Sample #4 =	3.6650	(0.0280)

Avg % Abs = 3.6670 (0.0180)
STD DEV = 0.0035 (0.0111)
REL STD DEV = 0.094 (61.864)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8660	(0.0110)
Sample #2 =	6.8540	(0.0310)
Sample #3 =	6.8650	(0.0230)
Sample #4 =	6.8420	(0.0320)

Avg % Abs = 6.8537 (0.0287)
STD DEV = 0.0115 (0.0049)
REL STD DEV = 0.168 (17.208)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12550, 9um Io = 12494

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3330	(-0.0110)
Sample #2 =	5.3650	(-0.0110)
Sample #3 =	5.3180	(0.0200)
Sample #4 =	5.3390	(0.0310)

Avg % Abs = 5.3407 (0.0133)
STD DEV = 0.0235 (0.0218)
REL STD DEV = 0.441 (163.344)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.8950	(-0.0090)
Sample #2 =	9.9310	(-0.0070)
Sample #3 =	9.8650	(0.0210)
Sample #4 =	9.8960	(0.0170)

Avg % Abs = 9.8973 (0.0103)
STD DEV = 0.0330 (0.0151)
REL STD DEV = 0.334 (146.552)

Optical Calibration	
SN:	80-006621
Agency:	Kennedy Space Center
Date:	06/01/2023
Quadratic Fit: +/- 0.002g/210L	✓
By:	TDG MG

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.123
Std Dev = 0.03 Rel Std Dev = 20.53
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.865
Std Dev = 0.03 Rel Std Dev = 3.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.918
Std Dev = 0.01 Rel Std Dev = 0.75
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.667
Std Dev = 0.00 Rel Std Dev = 0.09
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.341
Std Dev = 0.02 Rel Std Dev = 0.44
Zero Order Coef = -329.06
First Order Coef = 2589.19
Second Order Coef = 27.48
Standard Deviation = 19.249487

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.170
Std Dev = 0.02 Rel Std Dev = 12.92
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.587
Std Dev = 0.01 Rel Std Dev = 0.67
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.614
Std Dev = 0.01 Rel Std Dev = 0.29
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.854
Std Dev = 0.01 Rel Std Dev = 0.17
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.897
Std Dev = 0.03 Rel Std Dev = 0.33
Zero Order Coef = -229.18
First Order Coef = 1327.97
Second Order Coef = 13.98
Standard Deviation = 7.068134

Solution Stats Quadratic Fit Chan 1

Act g/210L	Fit g/210L	Residual g/210L
0.000	-0.000	0.0002
0.040	0.041	-0.0005
0.100	0.099	0.0005
0.200	0.200	-0.0002
0.300	0.300	0.0001

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	-0.0002
0.100	0.100	0.0002
0.200	0.200	-0.0001
0.300	0.300	0.0000

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3163.00
Sample #2 = 3143.00
Sample #3 = 3091.00
Sample #4 = 3079.00
Average Result = 3104.3333
STD DEV = 34.0196
REL STD DEV = 1.096
****
***** CHANNEL 2
Sample #1 = 3261.00
Sample #2 = 3261.00
Sample #3 = 3242.00
Sample #4 = 3244.00
Average Result = 3249.0000
STD DEV = 10.4403
REL STD DEV = 0.321
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1013
3 um H20 Adjust (mg/l*10,000) = 705
9 um H20 Adjust (mg/l*10,000) = 560
**** AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities (Post-Cal)	80-00 6621	Kennedy Space Center	06/01/2023	TDG MG

0.05g/210L	0.08g/210L	0.20g/210L	DGS 0.08g/210L
0.047 to 0.053 ✓	0.077 to 0.083 ✓	0.194 to 0.206 ✓	0.077 to 0.083 ✓ ≤0.003 of Wet ✓

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
06/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:47
Control Test	0.048	11:48
Air Blank	0.000	11:48
Control Test	0.048	11:49
Air Blank	0.000	11:49
Control Test	0.048	11:50
Air Blank	0.000	11:51
Control Test Stats		
Average	0.0480	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MG
Operator's Signature

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
06/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:17
Control Test	0.078	12:18
Air Blank	0.000	12:18
Control Test	0.077	12:19
Air Blank	0.000	12:19
Control Test	0.077	12:20
Air Blank	0.000	12:21
Control Test Stats		
Average	0.0773	
Std Dev	0.0006	
Rel Std Dev(%)	0.7466	

MG
Operator's Signature

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
06/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:24
Control Test	0.198	12:25
Air Blank	0.000	12:26
Control Test	0.198	12:26
Air Blank	0.000	12:27
Control Test	0.199	12:28
Air Blank	0.000	12:28
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

MG
Operator's Signature

DGS

KENNEDY SPACE CENTER
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006621
06/01/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:54
Control Test	0.079	09:54
Air Blank	0.000	09:55
Control Test	0.079	09:55
Air Blank	0.000	09:56
Control Test	0.079	09:56
Air Blank	0.000	09:56
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

MG
Operator's Signature

Comments:

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: KENNEDY SPACE CENTER
Time of Inspection: 14:36
Date of Inspection: 06/01/2023
Serial Number: 80-006621
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#:202201C Exp: 01/11/2024	0.08g/210L Test (g/210L) Lot#:202201D Exp: 01/18/2024	0.20g/210L Test (g/210L) Lot#:202201E Exp: 01/18/2024	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG115904 Exp: 06/08/2023
0.000	0.048	0.077	0.199	0.079
0.000	0.048	0.077	0.199	0.079
0.000	0.047	0.077	0.199	0.080
0.000	0.047	0.077	0.200	0.080
0.000	0.047	0.077	0.199	0.080
0.000	0.048	0.077	0.199	0.079
0.000	0.047	0.077	0.200	0.080
0.000	0.048	0.077	0.200	0.080
0.000	0.048	0.077	0.200	0.080
0.000	0.048	0.077	0.200	0.079

Standard Deviations	0.0005	0.0000	0.0005	0.0005

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0003 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.

Taylor Gutschow — TAYLOR D GUTSCHOW
Signature and Printed Name

06/01/2023
Date

FDLE/ATP Form 41 –Revised August 2005

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
4700 Terminal Drive, Suite 1
Ft. Myers, FL 33907

This is to certify the calibration of Intoxilyzer 8000 serial number 80-006621 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-006621
Owning Agency:	KENNEDY SPACE CENTER
Calibration Date:	06/01/2023
Calibration Time:	14:36

	UNCERTAINTY* ±
0.050 g/ 210 L	0.004
0.080 g/ 210 L	0.004
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).
The instrument results before and after any adjustment are found in the associated pre and post stability checks.

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. Simulator temperatures are checked with NIST traceable digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the use 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.

06/01/2023
Date

TAYLOR D GUTSCHOW,
Department Inspector