FDLE

Florida Department of Law Enforcement

INSTRUMENT PROCESSING SHEET

Agency Florida Department of Law Enforcement S/N 80-000206

Date In n/a DI Completion Date 09/21/2023 ☐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 09/20/2023

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 194
- ■ Flow Verification (L/s)

Flow Column # ATP104

32 mm 0.191* (.139 - .169)
36 mm 0.210* (.156 - .190)
53 mm 0.277 (.228 - .278)
103 mm 0.527 (.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	AG223802
		08/26/2024

Flow Calibration By TDG Date 09/20/2023

Flow Column # ATP101

- ■ 5L/min – 17mm
- ■ 15L/min – 53mm
- ■ 30L/min – 103mm
- ■ R-Value 196
- ■ Post Calibration Verification (L/s)

Flow Column # ATP104

32 mm 0.144 (.139 - .169)
36 mm 0.164 (.156 - .190)
53 mm 0.230 (.228 - .278)
103 mm 0.503 (.447 - .547)

Maintenance By TDG

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ■ Other Replaced internal printer paper on 9/21 after post-calibration stability checks.

Calibration Adjustment By TDG

Barometric Pressure Gauge 1016 ID # 28199

Simulator	Serial #	Lot #	Expiration
0.000	MP5097	N/A	N/A
0.040	MP5098	21410	09/30/2023
0.100	MP5099	22310	08/11/2024
0.200	MP5100	22050	02/07/2024
0.300	MP5101	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	AG223802	08/26/2024

Department Inspection By TDG

Barometric Pressure ID# 26932

Gauge 1016 Instrument 1016

Mouth Alcohol Solution Lot # 2021-D

Acetone Stock Solution Lot # 2022-B

Simulator	Serial Number
0.000	MP4863
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: The instrument is an evidential loaner and will be retained at FDLE until requested by an agency. (TDG)

*Flow values were outside nominal range. Performed a flow calibration adjustment. (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**

Benjamin Siddoway — Digitally signed by Benjamin Siddoway Date: 2023.09.22 10:20:48 -04'00' — Tech Review / Date

Phil Nicodemo — Digitally signed by Phil Nicodemo Date: 2023.10.03 08:58:40 -04'00' — Admin Review / Date

Flow Calibration

FDLE
[illegible]
Model 8000 SN 80-[illegible]
09/20/2023
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 7.277
2: Rate (Liters/min) = 15
SQRT(Diff)) = 12.000
3: Rate (Liters/min) = 30
SQRT(Diff)) = 21.281
[illegible]
Independent Data Scale Factor = .056
Rounded Slope = 688
Rounded Intercept = -7151[illegible]
Correlation = 0.99749

Stability Checks

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* ✓

FDLE
Intoxilyzer - Alcohol Analyzer
Model 8100 SN 80-000216
09/20/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:20
Control Test	0.049	11:21
Air Blank	0.000	11:21
Control Test	0.049	11:22
Air Blank	0.000	11:22
Control Test	0.049	11:23
Air Blank	0.000	11:23

Control Test Stats

Average	0.0490
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

FDLE
Intoxilyzer - Alcohol Analyzer
Model 8100 SN 80-000216
09/20/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:26
Control Test	0.079	11:27
Air Blank	0.000	11:27
Control Test	0.078	11:28
Air Blank	0.000	11:28
Control Test	0.076	11:29
Air Blank	0.000	11:30

Control Test Stats

Average	0.0777
Std Dev	0.0015
Rel Std Dev(%)	1.9668

Operator's Signature

FDLE
Intoxilyzer - Alcohol Analyzer
Model 8100 SN 80-000216
09/20/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:32
Control Test	0.204	11:33
Air Blank	0.000	11:34
Control Test	0.205	11:34
Air Blank	0.000	11:35
Control Test	0.204	11:35
Air Blank	0.000	11:36

Control Test Stats

Average	0.2043
Std Dev	0.0006
Rel Std Dev(%)	0.2826

Operator's Signature

DGS

FDLE
Intoxilyzer - Alcohol Analyzer
Model 8100 SN 80-000216
09/20/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:37
Control Test	0.078	11:37
Air Blank	0.000	11:37
Control Test	0.079	11:38
Air Blank	0.000	11:38
Control Test	0.079	11:39
Air Blank	0.000	11:39

Control Test Stats

Average	0.0787
Std Dev	0.0006
Rel Std Dev(%)	0.7339

Operator's Signature

```
FDLE
Intoxilyzer - Alcohol Analyzer
Model 8000                SN 80-000206
09/21/2023                    10:13:27

Auto Calibration
Max Power Ref Value = 46
Auto Range Ref Value = 28

Sol Value = 0.000 g/210L ***
Fit Value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12652, 9um Io = 13402
     <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   0.1890     ([illegible])
Sample #2 =   0.1950     (-0.0020)
Sample #3 =   0.2240     (0.0140)
Sample #4 =   0.2110     (-0.0120)
Avg % Abs = 0.2037  (0.0000)
STD DEV =  0.0075  (0.0131)
REL STD DEV = 3.685  ([illegible])

     <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   0.1560     (-0.0150)
Sample #2 =   0.1140     (0.0050)
Sample #3 =   0.1550     (-0.0120)
Sample #4 =   0.1740     (-0.0380)
Avg % Abs = 0.1477  (-0.0150)
STD DEV =  0.0307  (0.0217)
REL STD DEV = 20.766  (144.376)

Sol Value = 0.040 g/210L ***
Fit Value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12655, 9um Io = 13404
     <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   0.9480     (-0.0140)
Sample #2 =   0.9450     (-0.0050)
Sample #3 =   0.9610     (0.0020)
Sample #4 =   0.9380     (0.0020)
Avg % Abs = 0.9380  (-0.0003)
STD DEV =  0.0272  (0.0040)
REL STD DEV = 2.898  (212.436)
```

```
     <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   1.5470     (-0.0330)
Sample #2 =   1.5240     (0.0020)
Sample #3 =   1.5150     (-0.0140)
Sample #4 =   1.5160     (-0.0240)
Avg % Abs = 1.5183  (-0.0120)
STD DEV =  0.0049  (0.0131)
REL STD DEV = 0.325  (109.291)

Sol Value = 0.100 g/210L ***
Fit Value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12675, 9um Io = 13405
     <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   2.0370     (-0.0230)
Sample #2 =   2.0360     (-0.0090)
Sample #3 =   2.0150     (-0.0090)
Sample #4 =   2.0050     (-0.0070)
Avg % Abs = 2.0187  (-0.0083)
STD DEV =  0.0158  (0.0012)
REL STD DEV = 0.784  (13.856)

     <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   3.5140     (-0.0220)
Sample #2 =   3.4800     (0.0000)
Sample #3 =   3.4900     (-0.0120)
Sample #4 =   3.4890     (0.0060)
Avg % Abs = 3.4863  (-0.0020)
STD DEV =  0.0055  (0.0092)
REL STD DEV = 0.158  (458.258)

Sol Value = 0.200 g/210L ***
Fit Value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12662, 9um Io = 13407
     <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   3.7810     ([illegible])
Sample #2 =   3.8040     ([illegible])
Sample #3 =   3.7620     (-0.0030)
Sample #4 =   3.7910     ([illegible])
Avg % Abs = 3.7857  (-0.0070)
STD DEV =  0.0215  (0.0046)
REL STD DEV = 0.568  (65.465)
```

```
     <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   6.6290     (0.0180)
Sample #2 =   6.6540     (0.0050)
Sample #3 =   6.6470     (-0.0120)
Sample #4 =   6.6770     (-0.0020)
Avg % Abs = 6.6593  (-0.0027)
STD DEV =  0.0157  (0.0090)
REL STD DEV = 0.236  (338.194)

Sol Value = 0.300 g/210L ***
Fit Value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12657, 9um Io = 13409
     <<<<<  CHANNEL 1  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   5.5020     (-0.0140)
Sample #2 =   5.4940     (-0.0080)
Sample #3 =   5.4890     (-0.0030)
Sample #4 =   5.4890     (-0.0090)
Avg % Abs = 5.4907  (-0.0067)
STD DEV =  0.0029  (0.0032)
REL STD DEV = 0.053  (48.218)

     <<<<<  CHANNEL 2  >>>>>
 Sample        % Abs      (% Abs Ref)
Sample #1 =   9.6310     (0.0040)
Sample #2 =   9.6140     (0.0130)
Sample #3 =   9.5980     (0.0240)
Sample #4 =   9.6280     (-0.0010)
Avg % Abs = 9.6133  (0.0120)
STD DEV =  0.0150  (0.0125)
REL STD DEV = 0.156  (104.416)
```

Optical Calibration	
SN:	80-00 0206
Agency:	FDLE
Date:	09/21/2023
Quadratic Fit: +/- 0.002g/210L	✓
By:	TDG

```
   ***** AUTO CAL DATA *****
     <<<<<  CHANNEL 1  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.204
 Std Dev =   0.01 Rel Std Dev =   3.69
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    0.938
 Std Dev =   0.03 Rel Std Dev =   2.93
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    2.019
 Std Dev =   0.02 Rel Std Dev =   0.78
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    3.786
 Std Dev =   0.02 Rel Std Dev =   0.57
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    5.491
 Std Dev =   0.00 Rel Std Dev =   0.05
Zero Order Coef = -521.40
First Order Coef = 2565.01
Second Order Coef =  23.91
Standard Deviation =   5.817685

     <<<<<  CHANNEL 2  >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
 % Abs =    0.148
 Std Dev =   0.03 Rel Std Dev =  20.77
Sol Val = 0.1905 mg/l or 0.040 g/210L
 % Abs =    1.518
 Std Dev =   0.00 Rel Std Dev =   0.32
Sol Val = 0.4762 mg/l or 0.100 g/210L
 % Abs =    3.486
 Std Dev =   0.01 Rel Std Dev =   0.16
Sol Val = 0.9524 mg/l or 0.200 g/210L
 % Abs =    6.659
 Std Dev =   0.02 Rel Std Dev =   0.24
Sol Val = 1.4286 mg/l or 0.300 g/210L
 % Abs =    9.613
 Std Dev =   0.02 Rel Std Dev =   0.16
Zero Order Coef = -198.33
First Order Coef = 1365.92
Second Order Coef =  14.56
Standard Deviation =  15.201499

 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        0.0002
 0.200       0.200       -0.0002
 0.300       0.300        0.0001
```

```
 Solution Stats Quadratic Fit Chan 2
  Act         Fit        Residual
 g/210L      g/210L      g/210L
 0.000       0.000       -0.0001
 0.040       0.040       -0.0001
 0.100       0.100        0.0004
 0.200       0.200       -0.0004
 0.300       0.300        0.0002

Sol Value = 0.080 g/210L ***
Fit Value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 =  2790.00
Sample #2 =  2861.00
Sample #3 =  2818.00
Sample #4 =  2842.00
Average Result = 2840.3333
STD DEV = 21.5484
REL STD DEV = 0.759
**********
***** CHANNEL 2
Sample #1 =  3261.00
Sample #2 =  3279.00
Sample #3 =  3283.00
Sample #4 =  3283.00
Average Result = 3281.6667
STD DEV = 2.3094
REL STD DEV = 0.070
**********
Dry Gas H2O Adjust Results **********
  Barometric Pressure = 1016
  3 um H2O Adjust (mg/l x10,000) = 869
  9 um H2O Adjust (mg/l x10,000) = 528
**** AUTO CAL PASS
```

Post-Cal Stability Checks

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* ✓

FDLE
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-000000
09/21/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:29
Control Test	0.051	11:29
Air Blank	0.000	11:30
Control Test	0.050	11:31
Air Blank	0.000	11:31
Control Test	0.050	11:32
Air Blank	0.000	11:32

Control Test Stats

Average	0.0503
Std Dev	0.0006
Rel Std Dev(%)	1.1471

Operator's Signature

FDLE
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-000000
09/21/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:38
Control Test	0.078	11:38
Air Blank	0.000	11:39
Control Test	0.078	11:4[illegible]
Air Blank	0.000	11:4[illegible]
Control Test	0.078	11:4[illegible]
Air Blank	0.000	11:4[illegible]

Control Test Stats

Average	0.0780
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

FDLE
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-000000
09/21/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:45
Control Test	0.200	11:45
Air Blank	0.000	11:46
Control Test	0.199	11:46
Air Blank	0.000	11:47
Control Test	0.200	11:48
Air Blank	0.000	11:48

Control Test Stats

Average	0.1997
Std Dev	0.0006
Rel Std Dev(%)	0.2892

Operator's Signature

DGS

FDLE
Intoxilyzer - Alcohol Analyzer
Model: 8000 SN 80-000000
09/21/2023
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:23
Control Test	0.080	11:23
Air Blank	0.000	11:24
Control Test	0.079	11:24
Air Blank	0.000	11:25
Control Test	0.079	11:25
Air Blank	0.000	11:25

Control Test Stats

Average	0.0793
Std Dev	0.0006
Rel Std Dev(%)	0.7277

Operator's Signature

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FDLE
Time of Inspection: 14:28
Date of Inspection: 09/21/2023
Serial Number: 80-000206
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#:AG223802 Exp: 08/26/2024
0.000	0.050	0.078	0.200	0.079
0.000	0.049	0.078	0.200	0.080
0.000	0.049	0.078	0.200	0.080
0.000	0.049	0.078	0.201	0.079
0.000	0.049	0.078	0.199	0.079
0.000	0.049	0.078	0.199	0.079
0.000	0.049	0.077	0.199	0.079
0.000	0.049	0.077	0.199	0.079
0.000	0.049	0.078	0.200	0.080
0.000	0.048	0.077	0.199	0.079
Standard Deviations	0.0004	0.0004	0.0006	0.0004

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0004 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 D GUTSCHOW
Signature and Printed Name

09/21/2023
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 80-000206 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-000206
Owning Agency:	FDLE
Calibration Date:	09/21/2023
Calibration Time:	14:28

	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.

09/21/2023
Date

TAYLOR D GUTSCHOW,
Department Inspector