INSTRUMENT PROCESSING SHEET

FDLE Florida Department of Law Enforcement

Agency FFWCC South Region S/N 80-000903

Date In 11/16/2022 DI Completion Date 11/17/2022 ■Ship ❑P/U ❑H/D ❑CMI ❑EE

21DERR 11/21/2022

Intake By DERR

- ■ 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 DERR Date 11/16/2022

- ■ Breath Tube Screen
- ■ Replace External O-Rings
- ■ Instrument Set Up Verified
- ■ R-Value 106
- ■ Flow Verification (L/s)

Flow Column # ATP101

32 mm 0.132 (.139 - .169)
36 mm 0.140 (.156 - .190)
53 mm 0.203 (.228 - .278)
103 mm 0.453 (.447 - .547)

- ■ Barometric Pressure Check

Gauge ID # 28199

- ■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP6286	202201C
		01/11/2024
0.080	MP6287	202201D
		01/18/2024
0.200	MP6288	202201E
		01/18/2024
0.080 DGS	N/A	00521080A2
		02/05/2023

Flow Calibration By DERR Date 11/16/2022

Flow Column # ATP104

- ■ 5L/min – 17mm
- ■ 15L/min – 53mm
- ■ 30L/min – 103mm
- ■ R-Value 106
- ■ Post Calibration Verification (L/s)

Flow Column # ATP106

32 mm 0.140 (.139 - .169)
36 mm 0.160 (.156 - .190)
53 mm 0.230 (.228 - .278)
103 mm 0.492 (.447 - .547)

Maintenance By

- ❑ Battery Replacement
- ❑ Dry Gas Regulator Replacement
- ❑ Breath Tube Replacement
- ❑ Other

Calibration Adjustment By DERR

Barometric Pressure Gauge 1020 ID # 68639

Simulator	Serial #	Lot #	Expiration
0.000	MP5099	N/A	N/A
0.040	MP5096	21070	03/01/2023
0.100	MP5098	21380	09/13/2023
0.200	MP5100	20510	12/03/2022
0.300	MP5101	21420	10/20/2023
0.080 DGS	N/A	AG115904	06/08/2023

■ Post Calibration Adjustment Stability Checks

Simulator	Serial #	Lot #	Expiration
0.050	MP6286	202201C	01/11/2024
0.080	MP6287	202201D	01/18/2024
0.200	MP6288	202201E	01/18/2024
0.080 DGS	N/A	00521080A2	02/05/2023

Department Inspection By DERR

Barometric Pressure ID# 26932 11/21/2022 DERR

Gauge 1020 Instrument 1021

Mouth Alcohol Solution Lot # 2021-D

Acetone Stock Solution Lot # 2021-C

Simulator	Serial Number
0.000	MP6284
Interferent	MP6285
0.050	MP6286
0.080	MP6287
0.200	MP6288

Attachments

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

Notes/Suggested Service: Calibrated twice to bring the values closer to nominal. During the DI 0.20 test the instrunment showed below nominal range, Tighten the simulator head and restested. Instrument failed the DI will ask the agency if they want to send it out for repair. DERR Made carrections as per tech review as noted DERR 11/21/2022.

- ❑ **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**

Phil Nicodemo Digitally signed by Phil Nicodemo Date: 2022.11.22 09:35:27 -05'00'

Tech Review / Date

Israel Soto Digitally signed by Israel Soto Date: 2022.11.22 09:38:10 -05'00'

Admin Review / Date

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 80-000903 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-000903
Owning Agency:	FFWCC SOUTH REGION
Calibration Date:	11/21/2022
Calibration Time:	09:30

	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.

11/21/2022
Date

DAVID E REYES-RIVERA,
Department Inspector

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: FFWCC SOUTH REGION
Time of Inspection: 09:30 Date of Inspection: 11/21/2022
Serial Number: 80-000903
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		No

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#: Exp:
0.000	0.049	0.078	0.174 / 0.169	
0.000	0.049	0.078	0.175 / 0.174	
0.000	0.049	0.079	0.176 / 0.176	
0.000	0.049	0.079	0.177 / 0.176	
0.000	0.049	0.079	0.177 / 0.177	
0.000	0.049	0.079	0.178 / 0.178	
0.000	0.049	0.079	0.178 / 0.179	
0.000	0.049	0.079	0.178 / 0.179	
0.000	0.049	0.079	0.178 / 0.180	
0.000	0.050	0.079	0.178 / 0.179	

Standard Deviations	0.0003	0.0004	0.0014 / 0.0032	

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

Remarks:
20: Control Outside Tolerance. AGENCY WILL BE CONTACTED. . RESULTS WILL BE PASSED TO AGENCY.Non-compliance:VALUES FOR 0.20 BELOW RANGE..

The above instrument complies ( ) does not comply (X) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

DAVID E REYES-RIVERA
Signature and Printed Name

11/21/2022
Date

FDLE/ATP Form 41 –Revised August 2005

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities	80-000903	FFWCC	11/17/2022	DERR

0.05g/210L ✓

0.047 to 0.053 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:10
Control Test	0.048	15:11
Air Blank	0.000	15:11
Control Test	0.048	15:12
Air Blank	0.000	15:12
Control Test	0.048	15:13
Air Blank	0.000	15:14

Control Test Stats

Average	0.0480
Std Dev	0.0000
Rel Std Dev(%)	0.0000

Operator's Signature

0.08g/210L ✓

0.077 to 0.083 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:14
Control Test	0.078	15:15
Air Blank	0.000	15:16
Control Test	0.077	15:16
Air Blank	0.000	15:17
Control Test	0.077	15:18
Air Blank	0.000	15:18

Control Test Stats

Average	0.0773
Std Dev	0.0006
Rel Std Dev(%)	0.7466

Operator's Signature

0.20g/210L ✓

0.194 to 0.206 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:19
Control Test	0.197	15:20
Air Blank	0.000	15:20
Control Test	0.197	15:21
Air Blank	0.000	15:22
Control Test	0.198	15:22
Air Blank	0.000	15:23

Control Test Stats

Average	0.1973
Std Dev	0.0006
Rel Std Dev(%)	0.2926

Operator's Signature

DGS 0.08g/210L ✓

0.077 to 0.083 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:24
Control Test	0.080	15:24
Air Blank	0.000	15:24
Control Test	0.079	15:25
Air Blank	0.000	15:25
Control Test	0.080	15:26
Air Blank	0.000	15:26

Control Test Stats

Average	0.0797
Std Dev	0.0006
Rel Std Dev(%)	0.7247

Operator's Signature

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022 14:18:33

Auto Calibration
Max Power Res Value = 66
Auto Range Res Value = 44

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12579, 9um Io = 13480

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0420	(-0.0010)
Sample #2 =	0.0700	(0.0060)
Sample #3 =	0.0190	(0.0570)
Sample #4 =	0.0620	(0.0620)

Avg % Abs = 0.0503 (0.0417)
STD DEV = 0.0274 (0.0310)
REL STD DEV = 54.494 (74.374)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1440	(-0.0160)
Sample #2 =	0.1740	(-0.0110)
Sample #3 =	0.1450	(0.0180)
Sample #4 =	0.1600	(0.0250)

Avg % Abs = 0.1597 (0.0107)
STD DEV = 0.0145 (0.0191)
REL STD DEV = 9.083 (178.945)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12573, 9um Io = 13477

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8140	(-0.0220)
Sample #2 =	0.8350	(-0.0160)
Sample #3 =	0.7930	(0.0260)
Sample #4 =	0.8220	(0.0440)

Avg % Abs = 0.8167 (0.0180)
STD DEV = 0.0215 (0.0308)
REL STD DEV = 2.633 (171.053)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5400	(-0.0120)
Sample #2 =	1.5560	(-0.0040)
Sample #3 =	1.5440	(0.0010)
Sample #4 =	1.5530	(0.0220)

Avg % Abs = 1.5510 (0.0063)
STD DEV = 0.0062 (0.0138)
REL STD DEV = 0.403 (217.834)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12553, 9um Io = 13467

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9040	(-0.0270)
Sample #2 =	1.8910	(-0.0110)
Sample #3 =	1.8930	(0.0280)
Sample #4 =	1.8870	(0.0560)

Avg % Abs = 1.8903 (0.0243)
STD DEV = 0.0031 (0.0337)
REL STD DEV = 0.162 (138.288)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5830	(-0.0120)
Sample #2 =	3.5680	(-0.0040)
Sample #3 =	3.5690	(0.0210)
Sample #4 =	3.5470	(0.0340)

Avg % Abs = 3.5613 (0.0170)
STD DEV = 0.0124 (0.0193)
REL STD DEV = 0.349 (113.607)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12542, 9um Io = 13457

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6780	(-0.0270)
Sample #2 =	3.6650	(-0.0360)
Sample #3 =	3.6470	(0.0220)
Sample #4 =	3.6110	(0.0480)

Avg % Abs = 3.6410 (0.0113)
STD DEV = 0.0275 (0.0430)
REL STD DEV = 0.755 (379.446)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.7470	(-0.0150)
Sample #2 =	6.7410	(-0.0020)
Sample #3 =	6.7200	(0.0240)
Sample #4 =	6.7230	(0.0310)

Avg % Abs = 6.7280 (0.0177)
STD DEV = 0.0114 (0.0174)
REL STD DEV = 0.169 (98.421)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12533, 9um Io = 13450

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.3310	(-0.0100)
Sample #2 =	5.3460	(0.0070)
Sample #3 =	5.3470	(0.0460)
Sample #4 =	5.3270	(0.0580)

Avg % Abs = 5.3400 (0.0370)
STD DEV = 0.0113 (0.0267)
REL STD DEV = 0.211 (72.066)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.7810	(-0.0190)
Sample #2 =	9.7680	(0.0230)
Sample #3 =	9.7660	(0.0620)
Sample #4 =	9.7360	(0.0750)

Avg % Abs = 9.7567 (0.0533)
STD DEV = 0.0179 (0.0271)
REL STD DEV = 0.184 (50.741)

Optical Calibration
SN: 80-000903
Agency: FFWCC
Date: 11/17/2022
Quadratic Fit: +/- 0.002g/210L
By: DERR

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.050
Std Dev = 0.03 Rel Std Dev = 54.49
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.817
Std Dev = 0.02 Rel Std Dev = 2.63
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.890
Std Dev = 0.00 Rel Std Dev = 0.16
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.641
Std Dev = 0.03 Rel Std Dev = 0.76
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.340
Std Dev = 0.01 Rel Std Dev = 0.21
Zero Order Coef = -152.25
First Order Coef = 2539.41
Second Order Coef = 31.05
Standard Deviation = 24.564516

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.160
Std Dev = 0.01 Rel Std Dev = 9.08
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.551
Std Dev = 0.01 Rel Std Dev = 0.40
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.561
Std Dev = 0.01 Rel Std Dev = 0.35
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.728
Std Dev = 0.01 Rel Std Dev = 0.17
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.757
Std Dev = 0.02 Rel Std Dev = 0.18
Zero Order Coef = -224.02
First Order Coef = 1354.87
Second Order Coef = 13.61
Standard Deviation = 11.264451

Solution Stats Quadratic Fit Chan 1

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.001	0.0005
0.040	0.041	-0.0008
0.100	0.100	0.0001
0.200	0.200	0.0004
0.300	0.300	-0.0002

Solution Stats Quadratic Fit Chan 2

Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0002
0.040	0.040	-0.0001
0.100	0.100	-0.0002
0.200	0.200	0.0003
0.300	0.300	-0.0001

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3425.00
Sample #2 = 3437.00
Sample #3 = 3389.00
Sample #4 = 3436.00
Average Result = 3420.6667
STD DEV = 27.4287
REL STD DEV = 0.802
****
***** CHANNEL 2
Sample #1 = 3308.00
Sample #2 = 3276.00
Sample #3 = 3267.00
Sample #4 = 3299.00
Average Result = 3280.6667
STD DEV = 16.5025
REL STD DEV = 0.503
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1019
3 um H20 Adjust (mg/l*10,000) = 389
9 um H20 Adjust (mg/l*10,000) = 529
**** AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Post Stabilities	80-000903	FFWCC South Region	11/17/2022	DERR

0.05g/210L ✓

0.047 to 0.053 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:09
Control Test	0.050	08:10
Air Blank	0.000	08:10
Control Test	0.049	08:11
Air Blank	0.000	08:12
Control Test	0.049	08:12
Air Blank	0.000	08:13

Control Test Stats

Average	0.0493
Std Dev	0.0006
Rel Std Dev(%)	1.1703

Operator's Signature

0.08g/210L ✓

0.077 to 0.083 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:14
Control Test	0.078	08:15
Air Blank	0.000	08:15
Control Test	0.079	08:16
Air Blank	0.000	08:17
Control Test	0.078	08:17
Air Blank	0.000	08:18

Control Test Stats

Average	0.0783
Std Dev	0.0006
Rel Std Dev(%)	0.7370

Operator's Signature

0.20g/210L ✗

0.194 to 0.206 ✗

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:20
Control Test	0.188	08:21
Air Blank	0.000	08:22
Control Test	0.187	08:22
Air Blank	0.000	08:23
Control Test	0.188	08:24
Air Blank	0.000	08:24

Control Test Stats

Average	0.1877
Std Dev	0.0006
Rel Std Dev(%)	0.3076

Operator's Signature

DGS 0.08g/210L ✓

0.077 to 0.083 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/17/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	08:25
Control Test	0.079	08:25
Air Blank	0.000	08:26
Control Test	0.080	08:26
Air Blank	0.000	08:27
Control Test	0.079	08:27
Air Blank	0.000	08:27

Control Test Stats

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

Operator's Signature

FFWCC SOUTH REGION
Intoxilyzer - Alconol Analyzer
Model 8000 SN 80-000903
11/17/2022 06:55:52

Auto Calibration
Max Power Res Value = 66
Auto Range Res Value = 44

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12470, 9um Io = 13409

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0330	(-0.0150)
Sample #2 =	0.0660	(-0.0180)
Sample #3 =	0.0700	(0.0020)
Sample #4 =	0.0140	(0.0470)

Avg % Abs = 0.0500 (0.0103)
STD DEV = 0.0312 (0.0333)
REL STD DEV = 62.482 (322.177)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1760	(-0.0120)
Sample #2 =	0.1600	(-0.0190)
Sample #3 =	0.1750	(-0.0260)
Sample #4 =	0.1500	(-0.0120)

Avg % Abs = 0.1617 (-0.0190)
STD DEV = 0.0126 (0.0070)
REL STD DEV = 7.783 (36.842)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12467, 9um Io = 13414

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8110	(-0.0330)
Sample #2 =	0.7940	(-0.0080)
Sample #3 =	0.7750	(0.0190)
Sample #4 =	0.7860	(0.0340)

Avg % Abs = 0.7850 (0.0150)
STD DEV = 0.0095 (0.0213)
REL STD DEV = 1.215 (141.892)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5780	(-0.0130)
Sample #2 =	1.5530	(0.0070)
Sample #3 =	1.5360	(0.0220)
Sample #4 =	1.5480	(0.0210)

Avg % Abs = 1.5457 (0.0167)
STD DEV = 0.0087 (0.0084)
REL STD DEV = 0.565 (50.319)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12464, 9um Io = 13409

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.8820	(-0.0190)
Sample #2 =	1.9060	(0.0110)
Sample #3 =	1.8810	(0.0060)
Sample #4 =	1.8940	(0.0250)

Avg % Abs = 1.8937 (0.0140)
STD DEV = 0.0125 (0.0098)
REL STD DEV = 0.660 (70.349)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6140	(-0.0270)
Sample #2 =	3.5850	(0.0060)
Sample #3 =	3.5910	(-0.0120)
Sample #4 =	3.5800	(0.0110)

Avg % Abs = 3.5853 (0.0017)
STD DEV = 0.0055 (0.0121)
REL STD DEV = 0.154 (725.810)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12460, 9um Io = 13406

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6720	(-0.0130)
Sample #2 =	3.6450	(0.0140)
Sample #3 =	3.6620	(-0.0030)
Sample #4 =	3.6680	(0.0040)

Avg % Abs = 3.6583 (0.0050)
STD DEV = 0.0119 (0.0085)
REL STD DEV = 0.326 (170.880)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8210	(-0.0260)
Sample #2 =	6.7910	(-0.0140)
Sample #3 =	6.7830	(0.0000)
Sample #4 =	6.7790	(0.0010)

Avg % Abs = 6.7843 (-0.0043)
STD DEV = 0.0061 (0.0084)
REL STD DEV = 0.090 (193.535)

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12463, 9um Io = 13409

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4310	(-0.0320)
Sample #2 =	5.3840	(0.0320)
Sample #3 =	5.3640	(0.0520)
Sample #4 =	5.3330	(0.0830)

Avg % Abs = 5.3603 (0.0557)
STD DEV = 0.0257 (0.0257)
REL STD DEV = 0.479 (46.162)

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

Sample	% Abs	(% Abs Ref)
Sample #1 =	9.8660	(-0.0150)
Sample #2 =	9.8120	(0.0540)
Sample #3 =	9.8020	(0.0710)
Sample #4 =	9.7770	(0.0740)

Avg % Abs = 9.7970 (0.0663)
STD DEV = 0.0180 (0.0108)
REL STD DEV = 0.184 (16.260)

Optical Calibration
SN: 80-000903
Agency: FFWCC South Region
Date: 11/17/2022
Quadratic Fit: +/- 0.002g/210L
By: DERR

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

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.050
Std Dev = 0.03 Rel Std Dev = 62.48
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.785
Std Dev = 0.01 Rel Std Dev = 1.22
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.894
Std Dev = 0.01 Rel Std Dev = 0.66
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.658
Std Dev = 0.01 Rel Std Dev = 0.33
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.360
Std Dev = 0.03 Rel Std Dev = 0.48
Zero Order Coef = -115.72
First Order Coef = 2524.08
Second Order Coef = 30.29
Standard Deviation = 12.702000

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

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.162
Std Dev = 0.01 Rel Std Dev = 7.78
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.546
Std Dev = 0.01 Rel Std Dev = 0.57
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.585
Std Dev = 0.01 Rel Std Dev = 0.15
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.784
Std Dev = 0.01 Rel Std Dev = 0.09
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 9.797
Std Dev = 0.02 Rel Std Dev = 0.18
Zero Order Coef = -208.08
First Order Coef = 1334.84
Second Order Coef = 14.74
Standard Deviation = 8.815976

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	0.0004
0.100	0.100	-0.0002
0.200	0.200	0.0000
0.300	0.300	0.0000

Solution Stats Quadratic Fit Chan 2

Act g/210L	Fit g/210L	Residual g/210L
0.000	0.000	-0.0002
0.040	0.040	0.0003
0.100	0.100	-0.0001
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 = 3490.00
Sample #2 = 3467.00
Sample #3 = 3523.00
Sample #4 = 3465.00
Average Result = 3485.0000
STD DEV = 32.9242
REL STD DEV = 0.945
****
***** CHANNEL 2
Sample #1 = 3264.00
Sample #2 = 3266.00
Sample #3 = 3298.00
Sample #4 = 3252.00
Average Result = 3272.0000
STD DEV = 23.5797
REL STD DEV = 0.721
****
Dry Gas H20 Adjust Results **********
Barometric Pressure = 1020
3 um H20 Adjust (mg/l*10,000) = 324
9 um H20 Adjust (mg/l*10,000) = 537
**** AUTO CAL PASS

Type of Test	Serial Number	Agency	Date	Performed By
Stabilities	80-000903	FFWCC South Region	11/16/2022	DERR

0.05g/210L ✓

0.047 to 0.053 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/16/2022
Software: 8100.27

Test	g/210L	Time
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	0.049	13:20
Air Blank	0.000	13:21

Control Test Stats

Average	0.0483
Std Dev	0.0006
Rel Std Dev(%)	1.1945

Operator's Signature

0.08g/210L ✓

0.077 to 0.083 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/16/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:22
Control Test	0.078	13:23
Air Blank	0.000	13:23
Control Test	0.078	13:24
Air Blank	0.000	13:24
Control Test	0.077	13:25
Air Blank	0.000	13:25

Control Test Stats

Average	0.0777
Std Dev	0.0006
Rel Std Dev(%)	0.7434

Operator's Signature

0.20g/210L ✗

0.194 to 0.206 ✗

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/16/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:27
Control Test	0.181	13:28
Air Blank	0.000	13:28
Control Test	0.182	13:29
Air Blank	0.000	13:29
Control Test	0.182	13:30
Air Blank	0.000	13:30

Control Test Stats

Average	0.1817
Std Dev	0.0006
Rel Std Dev(%)	0.3178

Operator's Signature

DGS 0.08g/210L ✓

0.077 to 0.083 ✓

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/16/2022
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	13:32
Control Test	0.080	13:32
Air Blank	0.000	13:32
Control Test	0.079	13:33
Air Blank	0.000	13:33
Control Test	0.079	13:33
Air Blank	0.000	13:34

Control Test Stats

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

Operator's Signature

FFWCC SOUTH REGION
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-000903
11/16/2022
Software: 8100.27

Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 5.383
2: Rate (Liters/min) = 15
SQRT(Diff)) = 10.723
3: Rate (Liters/min) = 30
SQRT(Diff)) = 20.539
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 638
Rounded Intercept = -329770
Correlation = 0.99855

Flow Calibration	
SN:	80-000903
Agency:	FFWCC South Region
Date:	11/16/2022
By:	DERR