



NORTH DAKOTA OFFICE OF ATTORNEY GENERAL  
CRIME LABORATORY DIVISION

INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-00 4936 Calibration Adjustment Location: TOXL

A. Pre-Adjustment

Replaced Simulator Return O-Ring Yes or No

B. Calibration Adjustment (Level 3,M,C,O)

1.  Autocalibration Printout Attached
  - Max Power Res Value  $\geq 10$
  - Auto Range Res Value  $\geq 4$
2. Simulator Solutions for Calibration Adjustment

Soln.	g/210 L	Lot No.	Exp. Date	Simulator SN
1	0.000	NA-Milli-Q H <sub>2</sub> O	NA-Milli-Q H <sub>2</sub> O	MP5321
2	0.040	<u>202303H</u>	<u>28Mar25</u>	MP5289
3	0.080	<u>202302B</u>	<u>14Feb25</u>	MP3067
4	0.100	<u>202304A</u>	<u>04Apr25</u>	MP6038
5	0.300	<u>202402C</u>	<u>14Feb26</u>	MP3062

3. 0.080 AC Calibration Gas for H<sub>2</sub>O Adjustment

Lot No. 14323080A4 Cyl No. 12 Exp. Date: 6/5/25

4. Atmospheric Pressure

Displayed by Intoxilyzer® 8000 936 mbar

Adjusted to using barometer 949 mbar

Auto Calibration Report printout 949 mbar

Barometer Model 10510-922

Barometer Serial Number 230307250

Barometer Calibration Expiration Date 02May25

5.  Screen displayed "Calibration Success"

6.  Calibration Adjustment Printout Attached

Solution 1 Avg % Abs  $\leq 0.2500$

Solution 2-5 REL STD DEV  $\leq 3.000$

Residual (g/210 L) values for solutions 1 - 5  $\leq 0.0020$  for 3  $\mu$ m and 9  $\mu$ m channels

Dry Gas H<sub>2</sub>O adjustment sum for 3 µm and 9 µm channels within ± 10

3 µm 3520 (Ave.) + 289 (H<sub>2</sub>O Adj.) = 3809

9 µm 23426 (Ave.) + 383 (H<sub>2</sub>O Adj.) = 3809

C. Is an Annual Inspection due for this instrument?  Yes or No

If Yes, complete Intoxilyzer 8000 Annual Inspection (Document ID: 11698)

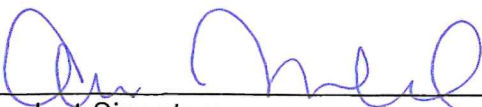
If No, complete Intoxilyzer 8000 Calibration (Document ID: 11871).

Remarks/Notes: NIA


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\_\_\_\_\_  
Analyst Signature

29 Apr 2024  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Reviewer Signature

30 Apr 2024  
\_\_\_\_\_  
Date

INTOXILYZER 8000  
Instrument Initialization  
12:47 04/29/2024

TOXL  
Intoxilyzer - Alcohol Analyzer  
Model 8000 SN 80-004936  
04/29/2024 12:54:21

Auto Calibration  
Max Power Res Value = 36  
Auto Range Res Value = 15

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004936  
 04/29/2024 12:54:21

Auto Calibration

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Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.1150	(0.0050)	0.2060	(-0.0020)	
Sample #2	0.0910	(0.1170)	0.2000	(0.0280)	
Sample #3	0.0750	(0.1970)	0.2020	(0.0440)	
Sample #4	0.1290	(0.2150)	0.2000	(0.0490)	
Avg % Abs	0.0983	(0.1763)	0.2007	(0.0403)	
STD DEV	0.0277	(0.0522)	0.0012	(0.0110)	
REL STD DEV	28.207	(29.584)	0.575	(27.197)	
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Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.8250	(0.0020)	1.6510	(0.0120)	
Sample #2	0.8100	(0.0330)	1.6380	(0.0250)	
Sample #3	0.7950	(0.0610)	1.6120	(0.0510)	
Sample #4	0.8300	(0.0580)	1.6220	(0.0410)	
Avg % Abs	0.8117	(0.0507)	1.6240	(0.0390)	
STD DEV	0.0176	(0.0154)	0.0131	(0.0131)	
REL STD DEV	2.163	(30.342)	0.808	(33.628)	
-----					
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	1.5240	(0.0110)	3.0600	(0.0060)	
Sample #2	1.5660	(0.0170)	3.0450	(0.0370)	
Sample #3	1.5540	(0.0290)	3.0150	(0.0530)	
Sample #4	1.5150	(0.0520)	3.0320	(0.0470)	
Avg % Abs	1.5450	(0.0327)	3.0307	(0.0457)	
STD DEV	0.0267	(0.0178)	0.0150	(0.0081)	
REL STD DEV	1.726	(54.446)	0.496	(17.700)	
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Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	1.9020	(-0.0210)	3.7490	(0.0040)	
Sample #2	1.9040	(0.0020)	3.7210	(0.0350)	
Sample #3	1.8770	(0.0120)	3.6900	(0.0370)	
Sample #4	1.8730	(0.0160)	3.6950	(0.0430)	
Avg % Abs	1.8847	(0.0100)	3.7020	(0.0383)	
STD DEV	0.0169	(0.0072)	0.0166	(0.0042)	
REL STD DEV	0.895	(72.111)	0.450	(10.861)	
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Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	5.2880	(0.0210)	10.0500	(0.0120)	
Sample #2	5.3040	(0.0210)	10.0820	(0.0250)	
Sample #3	5.3010	(0.0240)	10.1030	(0.0120)	
Sample #4	5.3050	(0.0280)	10.0950	(0.0280)	
Avg % Abs	5.3033	(0.0243)	10.0933	(0.0217)	
STD DEV	0.0021	(0.0035)	0.0106	(0.0085)	
REL STD DEV	0.039	(14.432)	0.105	(39.253)	
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TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004936  
 04/29/2024 12:54:21

Auto Calibration

pg 2 of 2

<<<<< 3um >>>>>			<<<<< 9um >>>>>		
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Zero Order Coef	-248.11		Zero Order Coef	-259.42	
First Order Coef	2603.47		First Order Coef	1305.33	
Second Order Coef	25.82		Second Order Coef	13.44	
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Act	Fit	Residual	Act	Fit	Residual
(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)
0.000	0.000	-0.0002	0.000	0.000	-0.0001
0.040	0.040	0.0005	0.040	0.040	0.0002
0.080	0.081	-0.0006	0.080	0.080	-0.0002
0.100	0.100	0.0002	0.100	0.100	0.0001
0.300	0.300	0.0000	0.300	0.300	0.0000
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<<<<< 3um >>>>>			<<<<< 9um >>>>>		
-----			-----		
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1					
Sample					
Sample #1		3520.00		3412.00	
Sample #2		3469.00		3386.00	
Sample #3		3562.00		3432.00	
Sample #4		3530.00		3460.00	
Avg		3520.3333		3426.0000	
STD DEV		47.2476		37.3631	
REL STD DEV		1.342		1.091	
H2O adjust (mg/l*10k)		289		383	

Atmospheric Pressure = 949

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*