



**NORTH DAKOTA OFFICE OF ATTORNEY GENERAL
CRIME LABORATORY DIVISION**

INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-00 10666 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 ≥ 10
 - Auto Range Res Value ≥ 4
2. Simulator Solutions for Calibration Adjustment

Soln.	g/210 L	Lot No.	Exp. Date	Simulator SN
1	0.000	NA-Milli-Q H ₂ O	NA-Milli-Q H ₂ O	MP3066
2	0.040	202111A	09 Nov 23	MP6040
3	0.080	202110C	26 Oct 23	MP5320
4	0.100	202304A	04 Apr 25	MP5290
5	0.300	202201F	18 Jan 24	MP3059

3. 0.080 AC Calibration Gas for H₂O Adjustment

Lot No. 3492108DA1 Cyl No. 33 Exp. Date: 2/5/24

4. Atmospheric Pressure

Displayed by Intoxilyzer® 8000 955 mbar

Adjusted to using barometer 955 mbar

Auto Calibration Report printout 956 mbar 954 AEN 22 June 23

Barometer Model Aneroid 03316-72

Barometer Serial Number 881001

Barometer Calibration Expiration Date 9/1/23

5. Screen displayed "Calibration Success"

6. Calibration Adjustment Printout Attached

Solution 1 Avg % Abs ≤ 0.2500

Solution 2-5 REL STD DEV ≤ 3.000

Residual (g/210 L) values for solutions 1 - 5 ≤ 0.0020 for 3 μm and 9 μm channels

Dry Gas H₂O adjustment sum for 3 μm and 9 μm channels within ± 10

3 μm 3508.3 (Ave.) + 301 (H₂O Adj.) = 3809.3

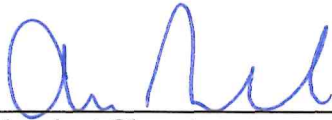
9 μm 3432.9 (Ave.) + 377 (H₂O Adj.) = 3809

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

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

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

Remarks/Notes: NIA



Analyst Signature

21 June 2023

Date



Reviewer Signature

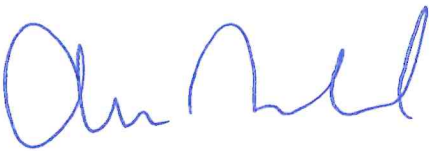
22 June 2023

Date

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006666
06/21/2023 08:20:38

Auto Calibration
Max Power Res Value = 48
Auto Range Res Value = 22

Auto Calibration Printout



TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-006666
 06/21/2023 09:07:17

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>>			<<<<< 9um >>>>>		

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.0580	(0.0200)	0.1460	(0.0150)	
Sample #2	0.0470	(0.0780)	0.1560	(0.0280)	
Sample #3	0.0810	(0.0910)	0.1840	(0.0120)	
Sample #4	0.0670	(0.1210)	0.1570	(0.0270)	
Avg % Abs	0.0650	(0.0967)	0.1657	(0.0223)	
STD DEV	0.0171	(0.0221)	0.0159	(0.0090)	
REL STD DEV	26.289	(22.813)	9.589	(40.132)	

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.7270	(0.0040)	1.4530	(-0.0070)	
Sample #2	0.7750	(0.0030)	1.5110	(-0.0190)	
Sample #3	0.7810	(0.0210)	1.5180	(-0.0110)	
Sample #4	0.7630	(0.0360)	1.5030	(-0.0060)	
Avg % Abs	0.7730	(0.0200)	1.5107	(-0.0120)	
STD DEV	0.0092	(0.0165)	0.0075	(0.0066)	
REL STD DEV	1.186	(82.614)	0.497	(54.645)	

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	1.4700	(-0.0070)	2.8840	(0.0040)	
Sample #2	1.4520	(0.0110)	2.8680	(0.0230)	
Sample #3	1.4910	(-0.0040)	2.8840	(0.0220)	
Sample #4	1.4940	(0.0000)	2.8850	(0.0210)	
Avg % Abs	1.4790	(0.0023)	2.8790	(0.0220)	
STD DEV	0.0234	(0.0078)	0.0095	(0.0010)	
REL STD DEV	1.584	(332.891)	0.331	(4.545)	

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	1.8070	(0.0100)	3.5630	(0.0070)	
Sample #2	1.8210	(0.0120)	3.5750	(0.0240)	
Sample #3	1.8330	(0.0080)	3.5780	(0.0210)	
Sample #4	1.8180	(0.0250)	3.5630	(0.0360)	
Avg % Abs	1.8240	(0.0150)	3.5720	(0.0270)	
STD DEV	0.0079	(0.0089)	0.0079	(0.0079)	
REL STD DEV	0.435	(59.255)	0.222	(29.397)	

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	5.1970	(-0.0120)	9.7230	(-0.0080)	
Sample #2	5.2070	(0.0100)	9.7830	(0.0170)	
Sample #3	5.2040	(0.0250)	9.7820	(0.0300)	
Sample #4	5.1910	(0.0360)	9.7340	(0.0390)	
Avg % Abs	5.2007	(0.0237)	9.7663	(0.0287)	
STD DEV	0.0085	(0.0131)	0.0280	(0.0111)	
REL STD DEV	0.164	(55.146)	0.287	(38.583)	

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-006666
 06/21/2023 09:07:17

Auto Calibration

pg 2 of 2

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Zero Order Coef	-171.40		Zero Order Coef	-202.69	
First Order Coef	2661.97		First Order Coef	1349.73	
Second Order Coef	22.66		Second Order Coef	13.67	
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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	-0.0000	0.000	0.000	-0.0004
0.040	0.040	0.0001	0.040	0.039	0.0008
0.080	0.080	-0.0001	0.080	0.080	0.0003
0.100	0.100	0.0001	0.100	0.101	-0.0007
0.300	0.300	0.0000	0.300	0.300	0.0001
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<<<<< 3um >>>>>		<<<<< 9um >>>>>	
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Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1			
Sample			
Sample #1	3638.00		3464.00
Sample #2	3487.00		3434.00
Sample #3	3535.00		3432.00
Sample #4	3503.00		3430.00
Avg	3508.3333		3432.0000
STD DEV	24.4404		2.0000
REL STD DEV	0.697		0.058
H2O adjust (mg/l*10k)	301		377

Atmospheric Pressure = 954

*****CALIBRATION SUCCESSFUL*****