NORTH DAKOTA OFFICE OF ATTORNEY GENERAL
CRIME LABORATORY DIVISION

INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-00 4945 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_2O	NA-Milli-Q H_2O	MP3063
2	0.040	202303H	28Mar25	MP3061
3	0.080	202302B	14Feb25	MP3070
4	0.100	202304A	04Apr25	MP3057
5	0.300	202402C	14Feb26	MP3049

3. 0.080 AC Calibration Gas for H_2O Adjustment
   Lot No. 0192308083 Cyl No. 22 Exp. Date: 2/5/2025
4. Atmospheric Pressure
   - Displayed by Intoxilyzer® 8000 946 mbar
   - Adjusted to using barometer 956 mbar
   - Auto Calibration Report printout 956 mbar
   - Barometer Model 10510-922
   - Barometer Serial Number 230307250
   - Barometer Calibration Expiration Date 02May2025
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 H_2O adjustment sum for 3 µm and 9 µm channels within ± 10
3 µm 3348.3 (Ave.) + 461 (H_2O Adj.) = 3809.3
9 µm 3444.0 (Ave.) + 365 (H_2O Adj.) = 3809.0

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: Forgot to update date/time before beginning tests.

Analyst Signature — 01/22/2025 Date

Reviewer Signature — 23Jan2025 Date

~~ENE~~ TOXL

Intoxilyzer - Alcohol Analyzer

Model 8000 SN 80-004345

~~04/21/2025~~ 01/22/2025 aen 1/22/25 ~~22:32:47~~ 10:15:41

Auto Calibration

Max Power Res Value = 26

Auto Range Res Value = 14

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Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004945
~~01/21/2025~~ ~~22:32:41~~
01/22/2025 AEN 1/22/25 10:15:41
Auto Calibration

	<<<<< 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	0.1360	(0.0010)	0.1950	(0.0010)
Sample #2	0.0730	(0.0590)	0.1740	(0.0300)
Sample #3	0.0990	(0.0590)	0.1940	(0.0160)
Sample #4	0.1220	(0.0650)	0.2130	(0.0140)
Avg % Abs	0.0980	(0.0610)	0.1937	(0.0200)
STD DEV	0.0245	(0.0035)	0.0195	(0.0087)
REL STD DEV	25.016	(5.679)	10.070	(43.589)
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.8060	(0.0070)	1.5020	(0.0100)
Sample #2	0.8300	(0.0220)	1.4940	(0.0470)
Sample #3	0.8050	(0.0470)	1.4970	(0.0440)
Sample #4	0.8150	(0.0370)	1.4960	(0.0400)
Avg % Abs	0.8167	(0.0353)	1.4957	(0.0437)
STD DEV	0.0126	(0.0126)	0.0015	(0.0035)
REL STD DEV	1.541	(35.612)	0.102	(8.042)
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.5410	(-0.0080)	2.7910	(-0.0090)
Sample #2	1.4900	(0.0350)	2.7710	(0.0250)
Sample #3	1.5220	(0.0350)	2.7990	(0.0280)
Sample #4	1.5080	(0.0490)	2.7750	(0.0360)
Avg % Abs	1.5067	(0.0397)	2.7817	(0.0297)
STD DEV	0.0160	(0.0081)	0.0151	(0.0057)
REL STD DEV	1.065	(20.377)	0.544	(19.167)
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.8780	(-0.0080)	3.4540	(-0.0030)
Sample #2	1.8740	(0.0280)	3.4320	(0.0310)
Sample #3	1.8680	(0.0180)	3.4090	(0.0440)
Sample #4	1.8810	(0.0330)	3.4530	(0.0440)
Avg % Abs	1.8743	(0.0263)	3.4313	(0.0397)
STD DEV	0.0065	(0.0076)	0.0220	(0.0075)
REL STD DEV	0.347	(29.004)	0.641	(18.922)
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.2510	(-0.0060)	9.4540	(-0.0050)
Sample #2	5.2400	(0.0620)	9.4060	(0.1080)
Sample #3	5.2430	(0.0670)	9.4340	(0.1090)
Sample #4	5.2370	(0.0940)	9.4290	(0.1450)
Avg % Abs	5.2400	(0.0743)	9.4230	(0.1207)
STD DEV	0.0030	(0.0172)	0.0149	(0.0211)
REL STD DEV	0.057	(23.158)	0.158	(17.469)

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Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004945
~~01/21/2025~~ ~~22:32:41~~
01/22/2025 AEN 01/22/25 10:15:41
Auto Calibration

	<<<<< 3um >>>>>		<<<<< 9um >>>>>	
Zero Order Coef	-260.09		-270.15	
First Order Coef	2642.94		1428.61	
Second Order Coef	25.36		12.31	

Act (g/210L)	Fit (g/210L)	Residual (g/210L)	Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0000	0.000	0.000	-0.0001
0.040	0.040	-0.0002	0.040	0.040	0.0002
0.080	0.079	0.0006	0.080	0.080	0.0002
0.100	0.100	-0.0004	0.100	0.100	-0.0003
0.300	0.300	0.0000	0.300	0.300	0.0000

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Sample #1	3355.00	3429.00
Sample #2	3375.00	3454.00
Sample #3	3375.00	3447.00
Sample #4	3295.00	3431.00
Avg	3348.3333	3444.0000
STD DEV	46.1880	11.7898
REL STD DEV	1.379	0.342
H2O adjust (mg/l*10k)	461	365

Atmospheric Pressure = 956

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