NORTH DAKOTA OFFICE OF ATTORNEY GENERAL
CRIME LABORATORY DIVISION

INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-00 7086 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	MP3003
2	0.040	202410D	10/22/2026	MP6038
3	0.080	202501A	1/15/2027	MP 3057
4	0.100	202408F	08/28/2026	MP 5319
5	0.300	202402C	02/14/26	MP6035

3. 0.080 AC Calibration Gas for H_2O Adjustment
   Lot No. 14323080A4 Cyl No. 42 Exp. Date: 6/5/25
4. Atmospheric Pressure

Displayed by Intoxilyzer® 8000	958 mbar
Adjusted to using barometer	958 mbar
Auto Calibration Report printout	958 mbar
Barometer Model	10510-922
Barometer Serial Number	250063738
Barometer Calibration Expiration Date	04Feb2027

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 2973 (Ave.) + 836 (H_2O Adj.) = 3809

9 µm 3414 (Ave.) + 395 (H_2O 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: N/A

Breath Alcohol Analyst Signature — Date: 04June2025

Reviewer Signature — Date: 05 June 2025

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007086
06/04/2025 10:42:51

Auto Calibration
Max Power Res Value = 78
Auto Range Res Value = 57

04June2025

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Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-007086
06/04/2025 10:42:51

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	0.2190	(0.0040)	0.2010	(-0.0040)
Sample #2	0.1860	(0.0650)	0.1800	(0.0090)
Sample #3	0.1830	(0.0870)	0.1600	(0.0260)
Sample #4	0.2140	(0.1010)	0.1840	(0.0200)
Avg % Abs	0.1943	(0.0843)	0.1747	(0.0183)
STD DEV	0.0171	(0.0181)	0.0129	(0.0086)
REL STD DEV	8.798	(21.519)	7.362	(47.027)
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.9880	(-0.0230)	1.5680	(-0.0120)
Sample #2	0.9880	(0.0060)	1.5560	(0.0000)
Sample #3	0.9500	(0.0310)	1.5420	(0.0060)
Sample #4	0.9630	(0.0340)	1.5530	(0.0030)
Avg % Abs	0.9670	(0.0237)	1.5503	(0.0030)
STD DEV	0.0193	(0.0154)	0.0074	(0.0030)
REL STD DEV	1.997	(64.957)	0.475	(100.000)
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.7240	(0.0000)	2.9200	(-0.0050)
Sample #2	1.7130	(0.0360)	2.9170	(0.0060)
Sample #3	1.7320	(0.0310)	2.9090	(0.0140)
Sample #4	1.7460	(0.0330)	2.9160	(0.0140)
Avg % Abs	1.7303	(0.0333)	2.9140	(0.0113)
STD DEV	0.0166	(0.0025)	0.0044	(0.0046)
REL STD DEV	0.957	(7.550)	0.150	(40.754)
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.1550	(0.0000)	3.6210	(0.0010)
Sample #2	2.1370	(0.0180)	3.6290	(0.0080)
Sample #3	2.1210	(0.0340)	3.6180	(0.0120)
Sample #4	2.1510	(0.0220)	3.6230	(0.0140)
Avg % Abs	2.1363	(0.0247)	3.6233	(0.0113)
STD DEV	0.0150	(0.0083)	0.0055	(0.0031)
REL STD DEV	0.703	(33.757)	0.152	(26.956)
Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.8090	(-0.0120)	9.9050	(-0.0070)
Sample #2	5.7770	(0.0360)	9.8820	(0.0450)
Sample #3	5.7660	(0.0470)	9.8970	(0.0450)
Sample #4	5.8090	(0.0330)	9.9060	(0.0360)
Avg % Abs	5.7840	(0.0387)	9.8950	(0.0420)
STD DEV	0.0223	(0.0074)	0.0121	(0.0052)
REL STD DEV	0.386	(19.063)	0.123	(12.372)

04June2025

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Model 8000 SN 80-007086
06/04/2025 10:42:51

Auto Calibration

	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Zero Order Coef	-457.35	-219.42
First Order Coef	2405.79	1336.31
Second Order Coef	24.70	13.07

Act (g/210L)	Fit (g/210L)	Residual (g/210L)	Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0002	0.000	0.000	-0.0003
0.040	0.040	0.0003	0.040	0.040	0.0004
0.080	0.079	0.0006	0.080	0.079	0.0005
0.100	0.101	-0.0007	0.100	0.101	-0.0007
0.300	0.300	0.0000	0.300	0.300	0.0001

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

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

Sample		
Sample #1	3015.00	3428.00
Sample #2	2997.00	3427.00
Sample #3	2899.00	3390.00
Sample #4	3024.00	3425.00
Avg	2973.3333	3414.0000
STD DEV	65.7749	20.8087
REL STD DEV	2.212	0.610
H2O adjust (mg/l*10k)	836	395

Atmospheric Pressure = 958

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

04June2025