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

## INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-00 5362 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 | 22Oct2026 | MP6038 |
| 3 | 0.080 | 202501A | 15Jan2027 | MP3057 |
| 4 | 0.100 | 202408F | 28Sep2026 | MP5319 |
| 5 | 0.300 | 202402C | 14Feb2026 | MP6035 |

3. 0.080 AC Calibration Gas for $H_2O$ Adjustment
   Lot No. 143230801A4 Cyl No. 41 Exp. Date: 10/5/25
4. Atmospheric Pressure

| | |
|---|---|
| Displayed by Intoxilyzer® 8000 | 935 mbar |
| Adjusted to using barometer | 960 mbar |
| Auto Calibration Report printout | 960 mbar |
| Barometer Model | 10510-922 |
| Barometer Serial Number | 2500063738 |
| 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 3393 (Ave.) + 416 ($H_2O$ Adj.) = 3809
9 µm 3371 (Ave.) + 438 ($H_2O$ 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: This calibration adjustment was performed due to high dry gas calibration values during the Annual inspection.

Breath Alcohol Analyst Signature — Date: 05June2025

Reviewer Signature — Date: 05 June 2025

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005362
06/05/2025 08:37:01

Auto Calibration
Max Power Res Value = 46
Auto Range Res Value = 33

05 June 2025

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005362
06/05/2025 08:37:01

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 | 0.0760 | (-0.0210) | 0.1590 | (-0.0220) |
| Sample #2 | 0.0900 | (0.0180) | 0.1760 | (0.0040) |
| Sample #3 | 0.0960 | (0.0380) | 0.1750 | (0.0130) |
| Sample #4 | 0.0350 | (0.0680) | 0.1400 | (0.0220) |
| Avg % Abs | 0.0737 | (0.0413) | 0.1637 | (0.0130) |
| STD DEV | 0.0336 | (0.0252) | 0.0205 | (0.0090) |
| REL STD DEV | 45.639 | (60.886) | 12.527 | (69.231) |
| Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1 | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) |
| Sample #1 | 0.8070 | (0.0260) | 1.4940 | (0.0060) |
| Sample #2 | 0.7800 | (0.0470) | 1.4940 | (0.0190) |
| Sample #3 | 0.7890 | (0.0520) | 1.4610 | (0.0370) |
| Sample #4 | 0.8030 | (0.0380) | 1.4710 | (0.0190) |
| Avg % Abs | 0.7907 | (0.0457) | 1.4753 | (0.0250) |
| STD DEV | 0.0116 | (0.0071) | 0.0169 | (0.0104) |
| REL STD DEV | 1.466 | (15.536) | 1.147 | (41.569) |
| Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1 | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) |
| Sample #1 | 1.5370 | (-0.0370) | 2.7650 | (-0.0100) |
| Sample #2 | 1.4890 | (-0.0050) | 2.8060 | (-0.0150) |
| Sample #3 | 1.4880 | (-0.0120) | 2.7620 | (-0.0250) |
| Sample #4 | 1.5210 | (-0.0050) | 2.7790 | (-0.0060) |
| Avg % Abs | 1.4993 | (-0.0073) | 2.7823 | (-0.0153) |
| STD DEV | 0.0188 | (0.0040) | 0.0222 | (0.0095) |
| REL STD DEV | 1.252 | (55.111) | 0.797 | (61.985) |
| Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1 | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) |
| Sample #1 | 1.9210 | (-0.0300) | 3.4650 | (0.0130) |
| Sample #2 | 1.8960 | (0.0010) | 3.4880 | (0.0210) |
| Sample #3 | 1.9010 | (-0.0020) | 3.4670 | (0.0390) |
| Sample #4 | 1.8440 | (0.0230) | 3.4370 | (0.0410) |
| Avg % Abs | 1.8803 | (0.0073) | 3.4640 | (0.0337) |
| STD DEV | 0.0316 | (0.0137) | 0.0256 | (0.0110) |
| REL STD DEV | 1.679 | (186.142) | 0.740 | (32.718) |
| Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1 | | | | |
| Sample | % Abs | (% Abs Ref) | % Abs | (% Abs Ref) |
| Sample #1 | 5.2900 | (-0.0080) | 9.4700 | (-0.0060) |
| Sample #2 | 5.2280 | (0.0520) | 9.3610 | (0.0900) |
| Sample #3 | 5.2260 | (0.0620) | 9.3570 | (0.0990) |
| Sample #4 | 5.2350 | (0.0530) | 9.3770 | (0.0840) |
| Avg % Abs | 5.2297 | (0.0557) | 9.3650 | (0.0910) |
| STD DEV | 0.0047 | (0.0055) | 0.0106 | (0.0075) |
| REL STD DEV | 0.090 | (9.894) | 0.113 | (8.297) |

10June2025

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-005362
06/05/2025 08:37:01

Auto Calibration 

| | <<<<< 3um >>>>> | <<<<< 9um >>>>> |
|---|---|---|
| Zero Order Coef | -175.86 | -208.11 |
| First Order Coef | 2581.73 | 1386.66 |
| Second Order Coef | 35.03 | 17.16 |

| Act (g/210L) | Fit (g/210L) | Residual (g/210L) | Act (g/210L) | Fit (g/210L) | Residual (g/210L) |
|---|---|---|---|---|---|
| 0.000 | 0.000 | -0.0003 | 0.000 | 0.000 | -0.0004 |
| 0.040 | 0.040 | 0.0004 | 0.040 | 0.039 | 0.0006 |
| 0.080 | 0.079 | 0.0008 | 0.080 | 0.079 | 0.0006 |
| 0.100 | 0.101 | -0.0009 | 0.100 | 0.101 | -0.0008 |
| 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 | 3477.00 | 3371.00 |
| Sample #2 | 3368.00 | 3369.00 |
| Sample #3 | 3353.00 | 3361.00 |
| Sample #4 | 3460.00 | 3384.00 |
| Avg | 3393.6667 | 3371.3333 |
| STD DEV | 57.9339 | 11.6762 |
| REL STD DEV | 1.707 | 0.346 |
| H2O adjust (mg/l*10k) | 416 | 438 |

Atmospheric Pressure = 960

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

05 June 2025