INTOXILYZER® 8000 CALIBRATION ADJUSTMENT

Intoxilyzer® 8000 Serial Number: 80-006490 Location: TOXL

A. Flow Sensor Calibration and Verification Check (Level 3,M,C,F)
1. X Replaced o-rings if damaged
2. Flow Meter Serial Number: 40655 & 55260
3. Air Supplied to Intoxilyzer® 8000 at:
   a. X 5 L/min X 15 L/min X 30 L/min
4. X Flow Rate Calibration Printout Attached
   a. X Correlation ≥ 0.99000
5. X Flow Sensor Calibration Verification (Level 3,D,F)
   a. 10 L/min: 0.168 L/S X 60 Sec/min = 10.08 L/min
   b. 20 L/min: 0.324 L/S X 60 Sec/min = 19.44 L/min
   c. X Flow Rates within ± 1 L/min of Expected Value

B. Gas Tank Sensor Check (Level 3,D,G)
1. Display: 323 psi Regulator: 325 psi
2. X Display and Regulator within 50 psi
3. X Completed tare of tank sensor if needed (Level 3,M,C,G)

C. Optical Bench Calibration and Verification Check (Level 3,M,C,O)
1. X Autocalibration Printout Attached
   a. X Max Power Res Value ≥ 10
   b. X Auto Range Res Value ≥ 4
2. Simulator Solutions for Optical Bench Calibration Adjustment
   a. X Set # Solutions to Run at 5

Soln.	g/210 L	Lot No.	Exp. Date	Simulator SN
1	0.000 (ACTUAL)	NA – MilliQ H_2O	NA – MilliQ H_2O	DR7111
2	0.040 (0.040)	20060	2·10·22	DR7351
3	0.080 (0.080)	19100	3·26·21	DR7345
4	~~0.160~~ 0.150 (0.150)	20150	3·16·22	DR7344
5	0.300 (0.298)	19010	1·3·21	DR5190

3. 0.100 AC Calibration Gas for H2O Adjustment
   a. Lot No. 07220100A1 Cyl No. 9 Exp. Date: 5/5/22
4. Atmospheric Pressure
   a. 957 mbar Displayed by Intoxilyzer® 8000
   b. 958 mbar Adjusted to using barometer
   c. 958 mbar on Auto Calibration Report printout
5. X Screen displayed "Calibration Success"

6. X Calibration Adjustment Printout Attached
   a. X Solution 1 Avg % Abs ≤ 0.2500
   b. X Solution 2-5 REL STD DEV ≤ 3.000
   c. X Residual (g/210 L) Values for Solutions 1-5 ≤ 0.0020 for 3 μm and 9 μm channels
   d. X Dry Gas H2O Adjustment Sum for 3 μm and 9 μm channels within ± 10

	Average		H_2O Adjust		
3 μm	4301	+	460	=	4761
9 μm	4452	+	309	=	4761

7. X Optical Bench Calibration Verification (Level 1, S and C)
   a. Wet Calibration Check
      i. Low AC Known Value ≤ 0.03 AC: 0.020 AC
      Sim. SN: MP5321 Lot No.: 201810D Exp. Date: 10.24.20
      ii. High AC Known Value ≥ 0.25 AC: 0.300 AC
      Sim. SN: MP3069 Lot No.: 201902D Exp. Date: 2.20.21
   b. Dry Calibration Check: Known Value 0.08 AC
      Lot No. 34418080A2 Cyl No. 7 Exp. Date: 2.5.21

Test 1	0.079 AC	Test 4	0.080 AC	Test 7	0.080 AC
Test 2	0.079 AC	Test 5	0.080 AC	Test 8	0.080 AC
Test 3	0.080 AC	Test 6	0.079 AC	Test 9	0.079 AC

      Average 0.080 AC

   c. X Wet Calibration Check and Dry Calibration Check AC results are within ± 0.005 or ± 5% (whichever is greater) of stated value.

D. Remarks/Maintenance: CALIBRATION ADJUSTMENT DUE TO PROFICIENCY TEST.

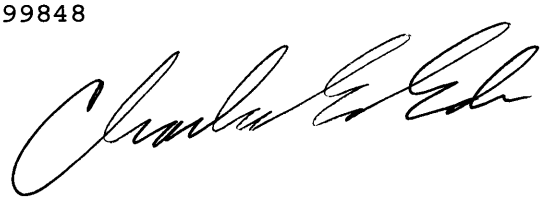
X Instrument is acceptable to be used in the field.

Breath Analyst Signature — Date: 9.4.20

Reviewed by: NA — Date: NA

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006490
Location = TOXL 8164.14.00 09/16
09/04/2020 14:46
Flow Rate Calibration********
1: Rate (Liters/min) = 5
SQRT(Diff)) = 6.926
2: Rate (Liters/min) = 15
SQRT(Diff)) = 12.164
3: Rate (Liters/min) = 30
SQRT(Diff)) = 21.840
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 649
Rounded Intercept = -598817
Correlation = 0.99848



TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006490
09/04/2020 14:54:19

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	0.0860	(-0.0070)	0.1140	(-0.0020)
Sample #2	0.0870	(0.0320)	0.1070	(0.0000)
Sample #3	0.1300	(0.0210)	0.1260	(0.0040)
Sample #4	0.0690	(0.0580)	0.1100	(0.0180)
Avg % Abs	0.0953	(0.0370)	0.1143	(0.0073)
STD DEV	0.0313	(0.0190)	0.0102	(0.0095)
REL STD DEV	32.876	(51.351)	8.934	(128.886)
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	(-0.0010)	1.5350	(-0.0150)
Sample #2	0.8100	(0.0040)	1.5200	(0.0000)
Sample #3	0.7730	(0.0220)	1.4940	(0.0190)
Sample #4	0.7810	(0.0300)	1.4830	(0.0220)
Avg % Abs	0.7880	(0.0187)	1.4990	(0.0137)
STD DEV	0.0195	(0.0133)	0.0190	(0.0119)
REL STD DEV	2.471	(71.339)	1.268	(87.295)
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.4980	(-0.0110)	2.8440	(-0.0150)
Sample #2	1.4590	(0.0260)	2.8310	(-0.0050)
Sample #3	1.4730	(0.0200)	2.8320	(-0.0080)
Sample #4	1.4700	(0.0230)	2.8320	(0.0000)
Avg % Abs	1.4673	(0.0230)	2.8317	(-0.0043)
STD DEV	0.0074	(0.0030)	0.0006	(0.0040)
REL STD DEV	0.502	(13.043)	0.020	(93.264)
Solution = 0.150 g/210L or 0.7143 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.6510	(0.0000)	5.1020	(-0.0060)
Sample #2	2.6830	(0.0000)	5.0970	(0.0210)
Sample #3	2.6780	(0.0050)	5.1080	(0.0130)
Sample #4	2.6260	(0.0250)	5.0950	(0.0190)
Avg % Abs	2.6623	(0.0100)	5.1000	(0.0177)
STD DEV	0.0316	(0.0132)	0.0070	(0.0042)
REL STD DEV	1.186	(132.288)	0.137	(23.566)
Solution = 0.298 g/210L or 1.4190 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.1350	(-0.0240)	9.7260	(0.0110)
Sample #2	5.1270	(0.0000)	9.6850	(0.0320)
Sample #3	5.0630	(0.0240)	9.6510	(0.0430)
Sample #4	5.0360	(0.0370)	9.6250	(0.0390)
Avg % Abs	5.0753	(0.0203)	9.6537	(0.0380)
STD DEV	0.0467	(0.0188)	0.0301	(0.0056)
REL STD DEV	0.921	(92.314)	0.312	(14.652)

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006490
09/04/2020 14:54:19

Auto Calibration

	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Zero Order Coef	-251.90	-163.92
First Order Coef	2716.45	1369.06
Second Order Coef	25.33	12.22

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	0.0002
0.040	0.040	0.0000	0.040	0.040	-0.0002
0.080	0.080	0.0004	0.080	0.080	-0.0000
0.150	0.150	-0.0004	0.150	0.150	0.0001
0.298	0.298	0.0001	0.298	0.298	-0.0000

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1

Sample	<<<<< 3um >>>>>	<<<<< 9um >>>>>
Sample #1	4257.00	4393.00
Sample #2	4338.00	4469.00
Sample #3	4214.00	4421.00
Sample #4	4352.00	4468.00
Avg	4301.3335	4452.6665
STD DEV	75.9561	27.4287
REL STD DEV	1.766	0.616
H2O adjust (mg/l*10k)	460	309

Atmospheric Pressure = 958

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

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006490
09/04/2020 14:54:19

Auto Calibration
Max Power Res Value = 85
Auto Range Res Value = 57

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer — Alcohol Analyzer
North Dakota Model 8000 — SN 80-006490
Location = TOXL — 8164.14.00 09/16
09/04/2020 — 15:43

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:44
02 Std. Sol.	0.019	15:45
03 Room Air	0.000	15:45
04 Std. Sol.	0.019	15:46
05 Room Air	0.000	15:47
06 Std. Sol.	0.020	15:47
07 Room Air	0.000	15:48

08 Sim Temp = 34.0°C

Simul Ser No = MP5321
Std Sol No = 201810D
County = 08 — Oper No. = 666666

Operator Signature
CHARLES EDER

Remarks: Low AC 0
0.020 AC
CEE

Form 106-I8000

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer 8000 — Alcohol Analyzer
North Dakota Model — SN 80-006490
Location = TOXL — 8164.14.00 09/16
09/04/2020 — 15:49

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:49
02 Std. Sol.	0.300	15:50
03 Room Air	0.000	15:51
04 Std. Sol.	0.301	15:51
05 Room Air	0.000	15:52
06 Std. Sol.	0.301	15:53
07 Room Air	0.000	15:53

08 Sim Temp = 34.0°C

Simul Ser No = MP3069
Std Sol No = 201902D
County = 08 — Oper No. = 666666

Operator Signature
CHARLES EDER

Remarks: HIGH AC
0.300 AC

Form 106-I8000

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer — Alcohol Analyzer
North Dakota Model 8000 — SN 80-006490
Location = TOXL — 8164.14.00 09/16
09/04/2020 — 15:55

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:56
02 Std. Gas	0.079	15:56
03 Room Air	0.000	15:56
04 Std. Gas	0.079	15:57
05 Room Air	0.000	15:57
06 Std. Gas	0.080	15:58
07 Room Air	0.000	15:58

Lot No = 34418080A2
Cyl No = 7
Exp Date = 02/05/2021
County = 08 — Oper No. = 666666

Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080 AC

Form 106-I8000

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer — Alcohol Analyzer
North Dakota Model 8000 — SN 80-006490
Location = TOXL — 8164.14.00 09/16
09/04/2020 — 15:58

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:59
02 Std. Gas	0.080	15:59
03 Room Air	0.000	16:00
04 Std. Gas	0.080	16:00
05 Room Air	0.000	16:01
06 Std. Gas	0.079	16:01
07 Room Air	0.000	16:02

Lot No = 34418080A2
Cyl No = 7
Exp Date = 02/05/2021
County = 08 — Oper No. = 666666

Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080 AC

Form 106-I8000

Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer
North Dakota Model 8000
Location = TOXL
09/04/2020

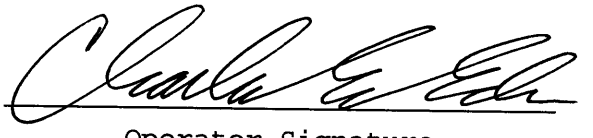
Alcohol Analyzer
SN 80-006490
8164.14.00 09/16
16:02

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:03
02 Std. Gas	0.080	16:03
03 Room Air	0.000	16:03
04 Std. Gas	0.080	16:04
05 Room Air	0.000	16:04
06 Std. Gas	0.079	16:05
07 Room Air	0.000	16:05

Lot No = 34418080A2
Cyl No = 7
Exp Date = 02/05/2021
County = 08

Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK
0.080 AC

Form 106-I8000