

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 80-005941

Location: TOXL

A. General Setup and Checks:

1.  Diagnostic Tests Pass and Instrument in Ready Mode
2.  Breath tube heated
3.  Date, time and location code (Level 2,E). Re-set if necessary.
4.  Print test (Level 1,P). Sign and attach test record.
5.  Tank monitor (Level 3,D,G). Display and Regulator within 50 psi.
  - a. Display: 924 psi Regulator: 925 psi

B. Tests (Sign and attach test records):

Configure simulator for the following tests (Level 1,S).

1. Wet Calibration Check

- a.  Low AC (Level 1,C): Known Value  $\leq 0.03$  AC: 0.020 AC  
Sim. Ser #: MP3002 Lot #: 16200 Exp. Date: 8-17-18
- b.  High AC (Level 1,C): Known Value  $\geq 0.25$  AC: 0.250 AC  
Sim. Ser #: MP3061 Lot #: 17010 Exp. Date: 1-5-19

Configure dry gas standard for the following tests (Level 1,S).

2.  Interferent Check (Level 1,B): Known Value: 0.10 AC + 0.05% Acetone  
Sim. Ser #: DR7089 Lot #: ICS#5 Exp. Date: 5-15-19  
 Display reads "Interferent Detect"
3.  RFI Check (CMS Mode)  Display reads "RFI Detect"
4.  Dry Calibration Check (Level 1,C): Known Value 0.080 AC  
Gas Cyl Lot #: 20016080 A2 Cyl #: 40 Exp. Date: 9-5-18

Test 1	<u>0.079</u>	Test 4	<u>0.081</u>	Test 7	<u>0.082</u>
Test 2	<u>0.080</u>	Test 5	<u>0.080</u>	Test 8	<u>0.081</u>
Test 3	<u>0.081</u>	Test 6	<u>0.082</u>	Test 9	<u>0.081</u>
Average <u>0.081</u>					

C. Remarks/Maintenance: ANNUAL INSPECTION, REPLACED LIGHT SOURCE ASSEMBLY, REPLACED DETECTOR/PRE-AMP ASSEMBLY, CALIBRATION ADJUSTMENT, CLASSROOM ONLY DUE TO LOW AUTO CAL VALUE DURING ADJUSTMENT

Instrument is acceptable to be used in the field.

Charles E. Ed  
Breath Analyst Signature

5-30-2018  
Date

Roberta Henrique Thomas  
Reviewed by

5 Jun 18  
Date

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-005941  
Location = TOXL      8164.14.00 09/16  
05/30/2018      13:56

Flow Rate Calibration\*\*\*\*\*

1: Rate (Liters/min) = 5  
   SQRT(Diff)) = 7.211  
2: Rate (Liters/min) = 15  
   SQRT(Diff)) = 12.406  
3: Rate (Liters/min) = 30  
   SQRT(Diff)) = 22.781  
Dependent Data Scale Factor = 100000 L/min  
Independent Data Scale Factor = 256  
Rounded Slope = 618  
Rounded Intercept = -570330  
Correlation = 0.99720

## FLOW VERIFICATION

20 L/min

$$0.324 \text{ L/sec} \times 60 \frac{\text{sec}}{\text{min}} = 19.44 \text{ L/min}$$

10 L/min

$$0.164 \frac{\text{L}}{\text{sec}} \times 60 \frac{\text{sec}}{\text{min}} = 9.84 \text{ L/min}$$

Charles E. Ed  
5/30/18

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-005941  
 05/30/2018 14:01:23

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>> <<<<< 9um >>>>>  
 -----  
 Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1 0.000 AC  

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0820	(-0.0040)	0.1160	(0.0300)
Sample #2	0.0700	(0.0470)	0.1390	(0.0200)
Sample #3	0.0440	(0.0930)	0.1120	(0.0440)
Sample #4	0.0250	(0.1230)	0.0980	(0.0610)
Avg % Abs	0.0463	(0.0877)	0.1163	(0.0417)
STD DEV	0.0226	(0.0383)	0.0208	(0.0206)
REL STD DEV	48.757	(43.665)	17.915	(49.438)

MP 3070  
MILLI Q H<sub>2</sub>O

-----  
 Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1 0.040 AC  

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7050	(-0.0010)	1.4440	(-0.0150)
Sample #2	0.7070	(0.0050)	1.4360	(-0.0020)
Sample #3	0.7300	(0.0210)	1.4570	(0.0020)
Sample #4	0.7450	(0.0220)	1.4620	(0.0050)
Avg % Abs	0.7273	(0.0160)	1.4517	(0.0017)
STD DEV	0.0191	(0.0095)	0.0138	(0.0035)
REL STD DEV	2.632	(59.621)	0.950	(210.713)

MP 3064  
Lot: 201706B  
Exp: 6-6-19

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.3900	(-0.0120)	2.7640	(-0.0300)
Sample #2	1.3820	(0.0040)	2.7430	(0.0040)
Sample #3	1.3770	(0.0010)	2.7520	(0.0030)
Sample #4	1.3590	(0.0190)	2.7490	(0.0210)
Avg % Abs	1.3727	(0.0080)	2.7480	(0.0093)
STD DEV	0.0121	(0.0096)	0.0046	(0.0101)
REL STD DEV	0.881	(120.546)	0.167	(108.386)

Lot: 16180  
Exp: 8-1-18  
MP 3059

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	1.7220	(-0.0350)	3.4070	(-0.0150)
Sample #2	1.7120	(-0.0140)	3.4040	(0.0180)
Sample #3	1.7020	(0.0060)	3.3990	(0.0230)
Sample #4	1.7280	(-0.0120)	3.4460	(0.0140)
Avg % Abs	1.7140	(-0.0067)	3.4163	(0.0183)
STD DEV	0.0131	(0.0110)	0.0258	(0.0045)
REL STD DEV	0.765	(165.227)	0.756	(24.596)

MP 3068  
Lot: 201703B  
Exp: 3-7-19

-----  
 Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1 0.300 AC  

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	4.8970	(-0.0060)	9.4650	(-0.0030)
Sample #2	4.8880	(0.0190)	9.4440	(0.0480)
Sample #3	4.8860	(0.0250)	9.4380	(0.0470)
Sample #4	4.8830	(0.0310)	9.4390	(0.0460)
Avg % Abs	4.8857	(0.0250)	9.4403	(0.0470)
STD DEV	0.0025	(0.0060)	0.0032	(0.0010)
REL STD DEV	0.052	(24.000)	0.034	(2.128)

MP 3058  
Lot: 17350  
Exp: 10-11-19

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-005941  
 05/30/2018 14:01:23

Auto Calibration

pg 2 of 2

<<<<< 3um >>>>>  
 -----  
 Zero Order Coef -137.85  
 First Order Coef 2818.69  
 Second Order Coef 27.33  
 -----

<<<<< 9um >>>>>  
 -----  
 Zero Order Coef -158.07  
 First Order Coef 1398.21  
 Second Order Coef 13.95  
 -----

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

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

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

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

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

Sample	3um	9um	Notes
Sample #1	4479.00	4397.00	
Sample #2	4519.00	4415.00	LOT: 32316100 A1
Sample #3	4459.00	4379.00	Exp: 1-5-19
Sample #4	4382.00	4405.00	CYL: 002
Avg	4453.3335	4399.6665	
STD DEV	68.6756	18.5831	
REL STD DEV	1.542	0.422	
H2O adjust (mg/l*10k)	308	362	

Atmospheric Pressure = 944

\*\*\*\*\*CALIBRATION SUCCESSFUL\*\*\*\*\*

- ADJUSTMENT DUE TO OPENING UP INSTRUMENT AND REPLACING PARTS.
- CALIBRATION CHECK KNOWN STANDARD (0.080 AC) WAS RUNNING HIGH. (STILL WITHIN TOLERANCE)
- AUTO RANGE INTERMITTENTLY FAILED DURING CALIBRATION ADJUSTMENTS. REPLACED LIGHT SOURCE ASSEMBLY AND DETECTOR/PRE AMP ASSEMBLY

TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-005941  
 05/30/2018 14:01:23

Auto Calibration  
 Max Power Res Value = 26  
 Auto Range Res Value = 5

*Charles E. [Signature]*  
 5-30-18

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

CMI, Inc. Intoxilyzer           Alcohol Analyzer  
North Dakota Model 8000           SN 80-005941  
Location = TOXL                   8164.14.00 09/16  
05/30/2018                           15:40

\*\*\*\*\* Printer Test \*\*\*\*\*

abcdefghijklmnopqrstuvwxy1234567890-=  
ABCDEFGHIJKLMN0PQRSTUVWXYZ!@#%&\*()\_+?

abcdefghijklmnopqrstuvwxy1234567890-=  
ABCDEFGHIJKLMN0PQRSTUVWXYZ!@#%&\*()\_+?

Current Instrument Setup

Data Entry Mode:           Enabled  
Start Test Sequence:       DABACABA  
Display Prelim Rslt?       Yes  
Display Third Digit?       Yes  
Inhib Printer(Y/N)?       No  
Display Volume?           No  
Disable On Memfull?       Yes  
# of Print Copies?         1  
Select Std (D/W/I)?       Dry  
Standard Value?           0.080  
Standard Lot #?           20016080A2  
Standard Cyl #?           40  
Standard Expiration?       09/05/2018  
Oper No?                   666666

Flow Cal. Date:           05/30/2018  
Slope                      618  
Intercept                  -570330

IR Calibration Date:       05/30/2018

	3um	9um
0th Coef(*100):	-13785	-15807
1st Coef(*100):	281869	139821
2nd Coef(*100):	2733	1395
H2O adj(mg/l*10k):	308	362

\*\*\*\*\* Printer Test End \*\*\*\*\*



Operator Signature  
CHARLES EDER

Remarks:

PRINT TEST

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-005941  
Location = TOXL      8164.14.00 09/16  
05/30/2018      15:41

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:42
02 Std. Sol.	0.021	15:42
03 Room Air	0.000	15:43
04 Std. Sol.	0.020	15:44
05 Room Air	0.000	15:44
06 Std. Sol.	0.020	15:45
07 Room Air	0.000	15:46

08 Sim Temp = 34.0°C

Simul Ser No = MP3002

Std Sol No = 16200

County = 08

Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

LOW AC  
0.020 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 80-005941  
Location = TOXL      8164.14.00 09/16  
05/30/2018      15:58

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:59
02 Std. Sol.	0.257	16:00
03 Room Air	0.000	16:00
04 Std. Sol.	0.257	16:01
05 Room Air	0:000	16:01
06 Std. Sol.	0.257	16:02
07 Room Air	0.000	16:03

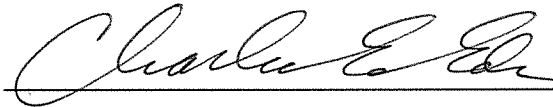
08 Sim Temp = 34.0°C

Simul Ser No = MP3061

Std Sol No = 17010

County = 08

Oper No. = 666666



Operator Signature

CHARLES EDER

Remarks:

HTG H AC  
0.250 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 80-005941  
Location = TOXL                    8164.14.00 09/16  
05/30/2018                            16:15

Test	AC	Time
01 Room Air	0.000	16:16
02 *Subject Test	INT*	16:17
03 Room Air	0.000	16:18

\*Invalid Test  
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female                    Weight = 150  
Test = DUI                            Cit = INTERFERENT  
Dr. Lic. = ND/DIS821456  
Lot No = 20016080A2  
Cyl No = 40  
Expiration Date = 09/05/2018  
County = 08                            Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks: *Interferent Check*  
*0.10 AC + 0.05% ACETONE*



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

CMI, Inc. Intoxilyzer            Alcohol Analyzer  
North Dakota Model 8000            SN 80-005941  
Location = TOXL                    8164.14.00 09/16  
05/30/2018                            16:05

Test	AC	Time
01 Diagnostic	OK	16:06
02 Room Air	0.000	16:07
03 *Subject Test	RFI*	16:07
04 Room Air	0.000	16:07

\*Invalid Test  
Inhibited - RFI

Sub Name = DISCOVER, THE SPIRIT  
Sub DOB = 01/01/1982  
Sub Sex = Female                    Weight = 150  
Test = DUI                            Cit = RFI CHECK  
Dr. Lic. = ND/DIS821456  
Lot No = 20016080A2  
Cyl No = 40  
Expiration Date = 09/05/2018  
County = 08                            Oper No. = 666666

I followed the Approved Method and the instructions displayed by the Intoxilyzer in conducting this test.



Operator Signature  
CHARLES EDER

Remarks: *RFI CHECK*

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

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-005941  
Location = TOXL      8164.14.00 09/16  
05/30/2018      16:18

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:19
02 Std. Gas	0.079	16:19
03 Room Air	0.000	16:20
04 Std. Gas	0.080	16:20
05 Room Air	0.000	16:21
06 Std. Gas	0.081	16:21
07 Room Air	0.000	16:21

Lot No = 20016080A2  
Cyl No = 40  
Exp Date = 09/05/2018  
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 80-005941  
Location = TOXL      8164.14.00 09/16  
05/30/2018      16:22

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:22
02 Std. Gas	0.081	16:23
03 Room Air	0.000	16:23
04 Std. Gas	0.080	16:24
05 Room Air	0.000	16:24
06 Std. Gas	0.082	16:24
07 Room Air	0.000	16:25

Lot No = 20016080A2

Cyl No = 40

Exp Date = 09/05/2018

County = 08

Oper No. = 666666



Operator Signature

CHARLES EDER

Remarks:

CALIBRATION CHECK  
0.080 AC

Form 106-I8000

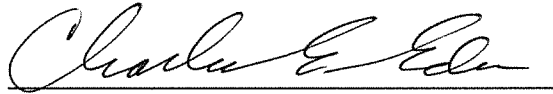
Intoxilyzer Test Record and Checklist  
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer      Alcohol Analyzer  
North Dakota Model 8000      SN 80-005941  
Location = TOXL      8164.14.00 09/16  
05/30/2018      16:25

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:26
02 Std. Gas	0.082	16:26
03 Room Air	0.000	16:27
04 Std. Gas	0.081	16:27
05 Room Air	0.000	16:28
06 Std. Gas	0.081	16:28
07 Room Air	0.000	16:29

Lot No = 20016080A2  
Cyl No = 40  
Exp Date = 09/05/2018  
County = 08      Oper No. = 666666



Operator Signature  
CHARLES EDER

Remarks:

CALIBRATION CHECK

0.080 AC

Form 106-I8000