

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 80-006491 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: 1001 psi Regulator: 1000 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 ≤ 0.03 AC: 0.020 AC
Sim. Ser #: MP3002 Lot #: 17160 Exp. Date: 6-8-19
 - b. High AC (Level 1,C): Known Value ≥ 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 #: DR 7089 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 0.088 AC
Gas Cyl Lot #: 20016080A2 Cyl #: 40 Exp. Date: 9-5-18

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

C. Remarks/Maintenance: ANNUAL INSPECTION, FLOW CALIBRATION, CALIBRATION ADJUSTMENT, EXTERNAL BATTERY REPLACED AND TRAINED

Instrument is acceptable to be used in the field.

Charles E. Ed
Breath Analyst Signature

5/23/2018
Date

Robert Murgu Nimmo
Reviewed by

24 May 18
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006491
Location = TOXL 8164.14.00 09/16
05/22/2018 15:25

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
SQRT(Diff)) = 7.277
2: Rate (Liters/min) = 15
SQRT(Diff)) = 12.285
3: Rate (Liters/min) = 30
SQRT(Diff)) = 22.336
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 639
Rounded Intercept = -618311
Correlation = 0.99711

FLOW VERIFICATION

20 L/min

$$0.328 \text{ L/sec} \times 60 \text{ sec/min} = 19.68 \text{ L/min}$$

10 L/min

$$0.167 \text{ L/sec} \times 60 \frac{\text{CSE}}{\text{SEC}} \frac{\text{SEC}}{\text{min}} = 10.02 \text{ L/min}$$

GILMONT GF-7460

S/N: 40655

Charles E. Eh
5/22/2018

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-006491
 05/23/2018 12:05:07

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	0.0490	(0.0070)	0.1050	(0.0000)	MP3070
Sample #2	0.0970	(0.0230)	0.1120	(0.0120)	MILLI Q H ₂ O
Sample #3	0.0860	(0.0360)	0.1110	(0.0070)	
Sample #4	0.0920	(0.0490)	0.1360	(-0.0050)	
Avg % Abs	0.0917	(0.0360)	0.1197	(0.0047)	
STD DEV	0.0055	(0.0130)	0.0142	(0.0087)	
REL STD DEV	6.008	(36.111)	11.828	(187.219)	

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	0.7650	(-0.0090)	1.4690	(-0.0110)	MP3064
Sample #2	0.7980	(-0.0100)	1.4820	(-0.0060)	LOT: 201706B
Sample #3	0.7900	(0.0060)	1.4880	(-0.0100)	Exp: 6-6-19
Sample #4	0.7950	(0.0170)	1.4980	(0.0040)	
Avg % Abs	0.7943	(0.0043)	1.4893	(-0.0040)	
STD DEV	0.0040	(0.0136)	0.0081	(0.0072)	
REL STD DEV	0.509	(313.314)	0.543	(180.278)	

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	1.4640	(0.0000)	2.7600	(0.0170)	MP3059
Sample #2	1.4890	(-0.0040)	2.8090	(0.0140)	LOT: 16180
Sample #3	1.5300	(0.0070)	2.8140	(0.0220)	Exp: 8-1-18
Sample #4	1.5280	(0.0010)	2.8200	(0.0340)	
Avg % Abs	1.5157	(0.0013)	2.8143	(0.0233)	
STD DEV	0.0231	(0.0055)	0.0055	(0.0101)	
REL STD DEV	1.525	(413.068)	0.196	(43.142)	

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	1.8600	(-0.0120)	3.4240	(0.0000)	MP3068
Sample #2	1.8650	(-0.0140)	3.4640	(0.0040)	LOT: 201703B
Sample #3	1.8350	(0.0000)	3.4250	(0.0280)	Exp: 3-7-19
Sample #4	1.8410	(-0.0010)	3.4440	(0.0010)	
Avg % Abs	1.8470	(-0.0050)	3.4443	(0.0110)	
STD DEV	0.0159	(0.0078)	0.0195	(0.0148)	
REL STD DEV	0.859	(156.205)	0.566	(134.533)	

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	5.2350	(-0.0340)	9.5240	(-0.0250)	MP3058
Sample #2	5.2420	(-0.0090)	9.5560	(0.0070)	LOT: 17350
Sample #3	5.2000	(0.0110)	9.5030	(0.0350)	Exp: 10-11-19
Sample #4	5.1880	(0.0130)	9.5260	(0.0270)	
Avg % Abs	5.2100	(0.0050)	9.5283	(0.0230)	
STD DEV	0.0284	(0.0122)	0.0266	(0.0144)	
REL STD DEV	0.544	(243.310)	0.279	(62.705)	

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-006491
 05/23/2018 12:05:07

Auto Calibration

<<<<< 3um >>>>>			<<<<< 9um >>>>>		
Zero Order Coef	-236.41			-170.66	
First Order Coef	2648.55			1377.03	
Second Order Coef	26.63			14.71	
Act (g/210L)	Fit (g/210L)	Residual (g/210L)	Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0001	0.000	-0.000	0.0001
0.040	0.040	0.0004	0.040	0.040	-0.0002
0.080	0.081	-0.0006	0.080	0.080	-0.0002
0.100	0.100	0.0003	0.100	0.100	0.0003
0.300	0.300	0.0000	0.300	0.300	0.0000

<<<<< 3um >>>>>			<<<<< 9um >>>>>		
Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1					
Sample					0.100 AC
Sample #1	4258.00		4311.00		
Sample #2	4209.00		4300.00		Lot: 32316100A1
Sample #3	4211.00		4315.00		CYC: 002
Sample #4	4196.00		4315.00		Exp: 1/5/19
Avg	4205.3335		4310.0000		
STD DEV	8.1445		8.6603		
REL STD DEV	0.194		0.201		
H2O adjust (mg/l*10k)	556		451		

Atmospheric Pressure = 953

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

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-006491
 05/23/2018 12:05:07

Auto Calibration
 Max Power Res Value = 92
 Auto Range Res Value = 60

- CALIBRATION ADJUSTMENT PERFORMED
 DUE TO HIGH AC CONTROL RUNNING
 HIGH (approx +4%) DURING ANNUAL INSPECTION

Charles E. Ed
 5/23/2018

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:12

***** Printer Test *****

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

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

Current Instrument Setup

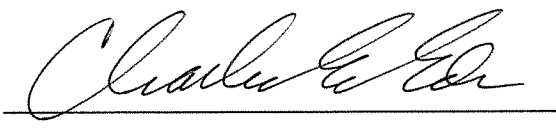
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 20016080A2
Standard Cyl #? 40
Standard Expiration?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

Flow Cal. Date: 05/22/2018
Slope 639
Intercept -618311

IR Calibration Date: 05/23/2018

	3um	9um
0th Coef(*100):	-23641	-17066
1st Coef(*100):	264855	137703
2nd Coef(*100):	2663	1471
H2O adj(mg/l*10k):	556	451

***** 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 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:14

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:15
02 Std. Sol.	0.017	13:15
03 Room Air	0.000	13:16
04 Std. Sol.	0.018	13:17
05 Room Air	0.000	13:17
06 Std. Sol.	0.018	13:18
07 Room Air	0.000	13:18

08 Sim Temp = 34.0°C

Simul Ser No = MP3002
Std Sol No = 17160
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *Low AC*
0.020 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:21

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:22
02 Std. Sol.	0.254	13:22
03 Room Air	0.000	13:23
04 Std. Sol.	0.253	13:24
05 Room Air	0.000	13:24
06 Std. Sol.	0.253	13:25
07 Room Air	0.000	13:26

08 Sim Temp = 34.0°C

Simul Ser No = MP3061
Std Sol No = 17010
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: *HIGH AC*
 0.250 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:30

Test	AC	Time
01 Room Air	0.000	13:31
02 *Subject Test	INT*	13:32
03 Room Air	0.000	13:33

*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 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:28

Test	AC	Time
01 Diagnostic	OK	13:29
02 Room Air	0.000	13:30
03 *Subject Test	RFI*	13:30
04 Room Air	0.000	13:30

*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 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:39

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:40
02 Std. Gas	0.081	13:40
03 Room Air	0.000	13:41
04 Std. Gas	0.082	13:41
05 Room Air	0.000	13:42
06 Std. Gas	0.081	13:42
07 Room Air	0.000	13:43

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

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:43

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:44
02 Std. Gas	0.082	13:44
03 Room Air	0.000	13:45
04 Std. Gas	0.082	13:45
05 Room Air	0.000	13:45
06 Std. Gas	0.081	13:46
07 Room Air	0.000	13:46

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

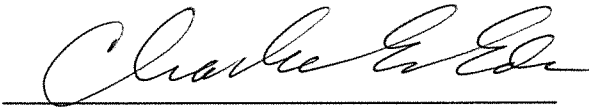
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-006491
Location = TOXL 8164.14.00 09/16
05/23/2018 13:46

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:47
02 Std. Gas	0.082	13:47
03 Room Air	0.000	13:48
04 Std. Gas	0.082	13:48
05 Room Air	0.000	13:49
06 Std. Gas	0.081	13:49
07 Room Air	0.000	13:50

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