

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 80-004201

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: 573 psi Regulator: 575 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: 0.400 AC
Sim. Ser #: MP3061 Lot #: 201605 Exp. Date: 5.19.18

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 #: JCS #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 #: 19B17080A4 Cyl #: 21 Exp. Date: 9.5.2019

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

C. Remarks/Maintenance: ANNUAL INSPECTION, REPLACED REAL TIME CLOCK (RTC) BATTERY, ADJUSTED FLOW SENSOR, TANK SENSOR CALIBRATION, CALIBRATION ADJUSTMENT, REPLACED SIMULATOR RETURN O-RING. INSTRUMENT CALIBRATION ADJUSTMENT DUE TO OPENING UP INSTRUMENT FOR RTC REPAIR.

Instrument is acceptable to be used in the field.

Charles E. Eds
Breath Analyst Signature

4.27.2018
Date

Roberta Murgu-Nunno
Reviewed by

5.9.2018
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004201
Location = TOXL 8164.14.00 09/16
04/25/2018 16:29

Flow Rate Calibration*****

- 1: Rate (Liters/min) = 5
 SQRT(Diff)) = 5.098
- 2: Rate (Liters/min) = 15
 SQRT(Diff)) = 10.293
- 3: Rate (Liters/min) = 30
 SQRT(Diff)) = 21.586

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 580

Rounded Intercept = -164747

Correlation = 0.99545

FLOWMETER

GILMONT: MODEL: GF 7460
S/N: 40635

VERIFICATION CHECK

10 L/min.

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

20 L/min.

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

Charles E. Ed
4/25/2018

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004201
 04/26/2018 16:07:45

Auto Calibration

pg 1 of 2

<<<<<			3um	>>>>>			<<<<<			9um	>>>>>		
Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1													0.00 AC
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)								
Sample #1	0.1190	(0.0120)		0.2250	(0.0090)								
Sample #2	0.0970	(0.0650)		0.2000	(0.0310)								
Sample #3	0.1090	(0.0760)		0.2610	(0.0100)								
Sample #4	0.0960	(0.0910)		0.2120	(0.0380)								
Avg % Abs	0.1007	(0.0773)		0.2243	(0.0263)								
STD DEV	0.0072	(0.0131)		0.0323	(0.0146)								
REL STD DEV	7.186	(16.877)		14.405	(55.335)								

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	0.7880	(-0.0130)		1.6140	(-0.0110)								
Sample #2	0.8110	(-0.0110)		1.6150	(-0.0010)								
Sample #3	0.7860	(0.0040)		1.6080	(0.0130)								
Sample #4	0.7750	(0.0150)		1.6170	(0.0120)								
Avg % Abs	0.7907	(0.0027)		1.6133	(0.0080)								
STD DEV	0.0184	(0.0131)		0.0047	(0.0078)								
REL STD DEV	2.333	(489.419)		0.293	(97.628)								

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	1.4280	(0.0140)		2.9570	(0.0140)								
Sample #2	1.4380	(0.0040)		2.9740	(0.0160)								
Sample #3	1.4380	(0.0190)		2.9590	(0.0390)								
Sample #4	1.4540	(0.0190)		2.9680	(0.0400)								
Avg % Abs	1.4433	(0.0140)		2.9670	(0.0317)								
STD DEV	0.0092	(0.0087)		0.0075	(0.0136)								
REL STD DEV	0.640	(61.859)		0.254	(42.875)								

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	1.7540	(0.0140)		3.6560	(-0.0080)								
Sample #2	1.7930	(0.0060)		3.6850	(0.0150)								
Sample #3	1.8350	(0.0030)		3.7090	(0.0230)								
Sample #4	1.8210	(0.0210)		3.7070	(0.0140)								
Avg % Abs	1.8163	(0.0100)		3.7003	(0.0173)								
STD DEV	0.0214	(0.0096)		0.0133	(0.0049)								
REL STD DEV	1.177	(96.437)		0.360	(28.459)								

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	4.9340	(-0.0160)		9.8590	(-0.0130)								
Sample #2	4.9570	(0.0000)		9.9300	(0.0130)								
Sample #3	4.9690	(0.0060)		9.9660	(0.0090)								
Sample #4	5.0110	(-0.0050)		9.9730	(0.0230)								
Avg % Abs	4.9790	(0.0003)		9.9563	(0.0150)								
STD DEV	0.0284	(0.0055)		0.0231	(0.0072)								
REL STD DEV	0.569	(1652.271)		0.232	(48.074)								

MP3070
 MILLI Q H2O
 MP3064
 LOT: 16320
 EXP: 10-21-18
 MP3059
 LOT: 16180
 EXP: 8-1-18
 MP3068
 LOT: 201703B
 EXP: 3-7-19
 MP3058
 LOT: 17350
 EXP: 10-11-19

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004201
 04/26/2018 16:07:45

Auto Calibration

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

 Zero Order Coef -268.33
 First Order Coef 2725.26
 Second Order Coef 39.66

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

 Zero Order Coef -283.28
 First Order Coef 1323.92
 Second Order Coef 13.97

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0001
0.040	0.040	-0.0001
0.080	0.079	0.0013
0.100	0.101	-0.0011
0.300	0.300	0.0000

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0003
0.040	0.040	0.0003
0.080	0.079	0.0009
0.100	0.101	-0.0009
0.300	0.300	0.0001

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

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

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

Sample

Sample #1	4223.00
Sample #2	4195.00
Sample #3	4202.00
Sample #4	4203.00
Avg	4200.0000
STD DEV	4.3589
REL STD DEV	0.104
H2O adjust (mg/l*10k)	561

4272.00
4249.00
4243.00
4251.00
4247.6665
4.1633
0.098
514

O.100 AC
JCEE
LOT:
LOT: 32316100A1
EXP: 1/5/2019
CYL: 002

Atmospheric Pressure = 956

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

Charles E. Ed
 4.26.2018

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004201
 04/26/2018 16:07:45

Auto Calibration
 Max Power Res Value = 26
 Auto Range Res Value = 15

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004201
Location = TOXL 8164.14.00 09/16
04/27/2018 15:57

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

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

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

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 #? 19817080A4
Standard Cyl #? 21
Standard Expiration? 09/05/2019
Oper No? 666666

Flow Cal. Date: 04/25/2018
Slope 580
Intercept -164747

IR Calibration Date: 04/26/2018

	3um	9um
0th Coef(*100):	-26833	-28328
1st Coef(*100):	272526	132392
2nd Coef(*100):	3966	1397
H2O adj(mg/l*10k):	561	514

***** 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 80-004201
Location = TOXL 8164.14.00 09/16
04/27/2018 16:04

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:05
02 Std. Sol.	0.396	16:06
03 Room Air	0.000	16:06
04 Std. Sol.	0.399	16:07
05 Room Air	0.000	16:07
06 Std. Sol.	0.400	16:08
07 Room Air	0.000	16:09

08 Sim Temp = 34.0°C

Simul Ser No = MP3061
Std Sol No = 201605F
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: HIGH AC
 0.400 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004201
Location = TOXL 8164.14.00 09/16
04/27/2018 16:14

Test	AC	Time
01 Diagnostic	OK	16:14
02 Room Air	0.000	16:15
03 *Subject Test	RFI*	16:15
04 Room Air	0.000	16:16

*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 = 19817080A4
Cyl No = 21
Expiration Date = 09/05/2019
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
CEE

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004201
Location = TOXL 8164.14.00 09/16
04/27/2018 16:16

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:16
02 Std. Gas	0.079	16:17
03 Room Air	0.000	16:17
04 Std. Gas	0.080	16:17
05 Room Air	0.000	16:18
06 Std. Gas	0.080	16:18
07 Room Air	0.000	16:19

Lot No = 19817080A4
Cyl No = 21
Exp Date = 09/05/2019
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 80-004201
Location = TOXL 8164.14.00 09/16
04/27/2018 16:19

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:20
02 Std. Gas	0.081	16:20
03 Room Air	0.000	16:21
04 Std. Gas	0.080	16:21
05 Room Air	0.000	16:22
06 Std. Gas	0.080	16:22
07 Room Air	0.000	16:22

Lot No = 19817080A4
Cyl No = 21
Exp Date = 09/05/2019
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 80-004201
Location = TOXL 8164.14.00 09/16
04/27/2018 16:23

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	16:23
02 Std. Gas	0.081	16:24
03 Room Air	0.000	16:24
04 Std. Gas	0.080	16:25
05 Room Air	0.000	16:25
06 Std. Gas	0.081	16:26
07 Room Air	0.000	16:26

Lot No = 19817080A4
Cyl No = 21
Exp Date = 09/05/2019
County = 08 Oper No. = 666666



Operator Signature
CHARLES EDER

Remarks: CALIBRATION CHECK

0.080 AC

Form 106-I8000