

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 80-005357

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: 625 psi Regulator: 625 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 #: MP3063 Lot #: 16200 Exp. Date: 17 Aug 18
 - b. High AC (Level 1,C): Known Value ≥ 0.25 AC: 0.300 AC
Sim. Ser #: MP3065 Lot #: 17350 Exp. Date: 11 Oct 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 #: DR5144 Lot #: 1055 Exp. Date: 15 May 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 #: 20016080A2 Cyl #: 40 Exp. Date: 5 Sep 18

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

C. Remarks/Maintenance: Annual inspection. Replaced and trained external battery. Completed tank sensor calibration, flow sensor calibration, optical bench calibration. Calibration adjustment completed due to high AC running low prior to adjustment.

Instrument is acceptable to be used in the field.

Roberta Huggins-Nemont
Breath Analyst Signature

5 Jun 18
Date

Charles E. Edr
Reviewed by

05 JUN 2018
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
05/16/2018 10:37

Flow Rate Calibration*****

1: Rate (Liters/min) = 5

 SQRT(Diff) = 3.316

2: Rate (Liters/min) = 15

 SQRT(Diff) = 8.059

3: Rate (Liters/min) = 30

 SQRT(Diff) = 19.848

Dependent Data Scale Factor = 100000 L/min

Independent Data Scale Factor = 256

Rounded Slope = 573

Rounded Intercept = 140460

Correlation = 0.99203

Flow Sensor Calibration Verification Check
~~Cole-Parmer~~ Gilmont Flowmeter Model F-4001 SN 40655

Flowmeter 10 L/min

Intox F: $0.1564 \text{ s} \times 60 \text{ s/min} = 9.36 \text{ L/min}$

Flowmeter 20 L/min

Intox F: $0.328 \times 60 \text{ s/min} = 19.68 \text{ L/min}$

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005357
 06/05/2018 13:06:28

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>>			<<<<< 9um >>>>>			
Solution	% Abs	(% Abs Ref)	Samples = 4, Discarded = 1	% Abs	(% Abs Ref)	
Solution = 0.000 g/210L or 0.0000 mg/l						0.000 AC
Sample #1	0.0730	(-0.0180)	0.2140	(-0.0050)		MP3048
Sample #2	0.0650	(0.0220)	0.1960	(-0.0080)		Milli-0450
Sample #3	0.0640	(0.0390)	0.2010	(-0.0050)		Exp.: NA
Sample #4	0.0370	(0.0440)	0.1910	(-0.0090)		
Avg % Abs	0.0553	(0.0350)	0.1960	(-0.0073)		
STD DEV	0.0159	(0.0115)	0.0050	(0.0021)		
REL STD DEV	28.708	(32.950)	2.551	(28.386)		
Solution = 0.040 g/210L or 0.1905 mg/l						0.040 AC
Sample #1	0.7220	(0.0080)	1.4430	(0.0230)		MP3057
Sample #2	0.7770	(0.0170)	1.4870	(0.0080)		Lot: 16320
Sample #3	0.7730	(0.0210)	1.4540	(0.0310)		Exp.: 21 Oct 18
Sample #4	0.7420	(0.0360)	1.4430	(0.0340)		
Avg % Abs	0.7640	(0.0247)	1.4613	(0.0243)		
STD DEV	0.0192	(0.0100)	0.0229	(0.0142)		
REL STD DEV	2.507	(40.608)	1.567	(58.456)		
Solution = 0.080 g/210L or 0.3810 mg/l						0.080 AC
Sample #1	1.4560	(0.0060)	2.7450	(0.0140)		MP3062
Sample #2	1.4720	(0.0140)	2.7810	(-0.0010)		Lot: 16180
Sample #3	1.4800	(0.0060)	2.7860	(0.0040)		Exp.: 1 Aug 18
Sample #4	1.4690	(0.0170)	2.7950	(0.0080)		
Avg % Abs	1.4737	(0.0123)	2.7873	(0.0037)		
STD DEV	0.0057	(0.0057)	0.0071	(0.0045)		
REL STD DEV	0.386	(46.105)	0.255	(122.980)		
Solution = 0.100 g/210L or 0.4762 mg/l						0.100 AC
Sample #1	1.7720	(0.0010)	3.4210	(-0.0040)		MP3069
Sample #2	1.7840	(0.0120)	3.3880	(0.0390)		Lot: 17280
Sample #3	1.8270	(0.0090)	3.4260	(0.0270)		Exp.: 11 Sep 19
Sample #4	1.7870	(0.0250)	3.4040	(0.0390)		
Avg % Abs	1.7993	(0.0153)	3.4060	(0.0350)		
STD DEV	0.0240	(0.0085)	0.0191	(0.0069)		
REL STD DEV	1.334	(55.467)	0.560	(19.795)		
Solution = 0.300 g/210L or 1.4286 mg/l						0.300 AC
Sample #1	5.1650	(-0.0180)	9.4470	(-0.0130)		MP3071
Sample #2	5.1780	(0.0140)	9.4700	(0.0110)		Lot: 201803H
Sample #3	5.1410	(0.0350)	9.4720	(0.0070)		Exp.: 22 Mar 20
Sample #4	5.1350	(0.0410)	9.5050	(0.0020)		
Avg % Abs	5.1513	(0.0300)	9.4823	(0.0067)		
STD DEV	0.0233	(0.0142)	0.0197	(0.0045)		
REL STD DEV	0.452	(47.258)	0.207	(67.639)		

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005357
 06/05/2018 13:06:28

Auto Calibration

pg 2 of 2

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

 Zero Order Coef -151.17
 First Order Coef 2669.71
 Second Order Coef 25.81

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

 -265.41
 1443.48
 9.59

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0001
0.040	0.040	0.0000
0.080	0.081	-0.0006
0.100	0.099	0.0005
0.300	0.300	-0.0000

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0004
0.040	0.039	0.0008
0.080	0.080	-0.0005
0.100	0.100	-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
 Sample #1 4488.00 4353.00
 Sample #2 4501.00 4393.00
 Sample #3 4547.00 4378.00
 Sample #4 4357.00 4365.00
 Avg 4468.3335 4378.6665
 STD DEV 99.1228 14.0119
 REL STD DEV 2.218 0.320
 H2O adjust (mg/l*10k) 293 383

0.100 AC
 gas cyl #3
 32316100A1
 Exp. 5 Jan 19

Atmospheric Pressure = 948

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

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005357
 06/05/2018 13:06:28

Auto Calibration
 Max Power Res Value = 58
 Auto Range Res Value = 36

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 13:53

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

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

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

Current Instrument Setup

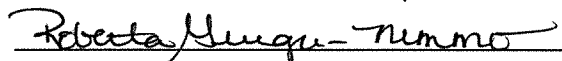
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 20016080A2
Standard Cyl #? 40
Standard Expiration? 09/05/2018
Oper No? 888888

Flow Cal. Date: 05/16/2018
Slope 573
Intercept 140460

IR Calibration Date: 06/05/2018

	3um	9um
0th Coef(*100):	-15117	-26541
1st Coef(*100):	266971	144348
2nd Coef(*100):	2581	959
H2O adj(mg/l*10k):	293	383

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



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks:

Print Test

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

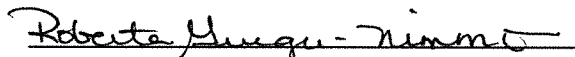
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 14:17

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:18
02 Std. Sol.	0.017	14:19
03 Room Air	0.000	14:19
04 Std. Sol.	0.017	14:20
05 Room Air	0.000	14:20
06 Std. Sol.	0.018	14:21
07 Room Air	0.000	14:22

08 Sim Temp = 34.0°C

Simul Ser No = MP3063
Std Sol No = 16200
County = 08 Oper No. = 888888


Operator Signature
ROBERTA GRIEGER-NIMMO

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 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 14:11

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:12
02 Std. Sol.	0.297	14:13
03 Room Air	0.000	14:13
04 Std. Sol.	0.297	14:14
05 Room Air	0.000	14:15
06 Std. Sol.	0.298	14:15
07 Room Air	0.000	14:16

08 Sim Temp = 34.0°C

Simul Ser No = MP3065
Std Sol No = 17350
County = 08 Oper No. = 888888

Roberta Grieger-Nimmo
Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: High AC
0.300AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 13:54

Test	AC	Time
01 Room Air	0.000	13:55
02 *Subject Test	INT*	13:56
03 Room Air	0.000	13:57

*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. = 888888

Roberta Grieger-Nimmo

Operator Signature
ROBERTA GRIEGER-NIMMO

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

Form 106-I8000

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

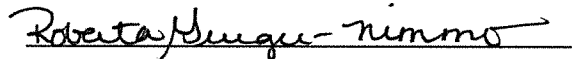
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 13:57

Test	AC	Time
01 Diagnostic	OK	13:58
02 Room Air	RFI*	13:58
03 Room Air	0.000	13:59

*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. = 888888

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



Operator Signature
ROBERTA GRIEGER-NIMMO

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 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 13:59

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:59
02 Std. Gas	0.081	14:00
03 Room Air	0.000	14:00
04 Std. Gas	0.080	14:01
05 Room Air	0.000	14:01
06 Std. Gas	0.080	14:02
07 Room Air	0.000	14:02

Lot No = 20016080A2
Cyl No = 40
Exp Date = 09/05/2018
County = 08 Oper No. = 888888

Roberta Grieger-Nimmo
Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080AC

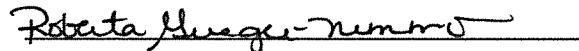
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 14:03

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:03
02 Std. Gas	0.081	14:03
03 Room Air	0.000	14:04
04 Std. Gas	0.081	14:04
05 Room Air	0.000	14:05
06 Std. Gas	0.080	14:05
07 Room Air	0.000	14:06

Lot No = 20016080A2
Cyl No = 40
Exp Date = 09/05/2018
County = 08 Oper No. = 888888


Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005357
Location = TOXL 8164.14.00 09/16
06/05/2018 14:06

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	14:07
02 Std. Gas	0.080	14:07
03 Room Air	0.000	14:07
04 Std. Gas	0.081	14:08
05 Room Air	0.000	14:08
06 Std. Gas	0.080	14:09
07 Room Air	0.000	14:09

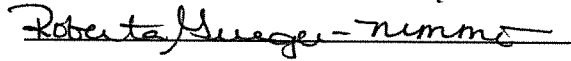
Lot No = 20016080A2

Cyl No = 40

Exp Date = 09/05/2018

County = 08

Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080 AC

Form 106-I8000