

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 80-004953

Location: TXL

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: 916 psi Regulator: 900 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 #: ORS144 Lot #: 1C55 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 #: 34917080A3 Cyl #: 28 Exp. Date: 5 Feb 20

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

C. Remarks/Maintenance: Annual inspection. Replaced and trained external battery. Completed tank sensor calibration. Completed calibration adjustment due to dry calibration check values running on high end of acceptable range. Replaced o-ring on simulator return prior to calibration adjustment and flow sensor was calibrated.

Instrument is acceptable to be used in the field.

Roberta Mueggenhimm
Breath Analyst Signature

20 Apr 18
Date

Charles E. Edr
Reviewed by

20 APR 18
Date

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 08:48

Flow Rate Calibration*****

- 1: Rate (Liters/min) = 5
 SQRT(Diff)) = 6.633
- 2: Rate (Liters/min) = 15
 SQRT(Diff)) = 11.914
- 3: Rate (Liters/min) = 30
 SQRT(Diff)) = 22.449

Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 609
Rounded Intercept = -462839
Correlation = 0.99722

Flow Verification:

Gilmont model F-4001 SN 40655
Flow meter set to 13 L/min
Intox SN 80-004953 Flow Sensor
F: 0.199 L/S
 $0.199 \text{ L/S} \times 60 \text{ sec.} = 12 \text{ L/min}$

Flowmeter Set to 20 L/min
Intox Flow Sensor F: 0.320 L/S
 $0.320 \text{ L/S} \times 60 \text{ s/min} = 19.2 \text{ L/min}$

TOXL
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-004953
04/20/2018 09:06:02

Auto Calibration
Max Power Res Value = 36
Auto Range Res Value = 20

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004953
 04/20/2018 09:06:02

Auto Calibration

pg 1 of 2

<<<<< 3um >>>>> <<<<< 9um >>>>>

 Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	Simulator
Sample #1	0.1050	(-0.0190)	0.1900	(-0.0340)	MP 3048
Sample #2	0.0910	(0.0260)	0.2210	(-0.0100)	0.000 AC
Sample #3	0.1040	(0.0680)	0.2150	(-0.0020)	milliQ H ₂ O
Sample #4	0.0670	(0.0860)	0.1900	(0.0160)	Exp. NA
Avg % Abs	0.0873	(0.0600)	0.2087	(0.0013)	
STD DEV	0.0188	(0.0308)	0.0164	(0.0133)	
REL STD DEV	21.493	(51.316)	7.879	(998.749)	

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	Simulator
Sample #1	0.8070	(-0.0070)	1.5520	(0.0190)	MP 3060
Sample #2	0.7930	(0.0310)	1.5690	(0.0160)	0.040 AC
Sample #3	0.8130	(0.0340)	1.5830	(0.0250)	Lot: 16320
Sample #4	0.8160	(0.0310)	1.5720	(0.0280)	Exp.: 21 Oct 18
Avg % Abs	0.8073	(0.0320)	1.5747	(0.0230)	
STD DEV	0.0125	(0.0017)	0.0074	(0.0062)	
REL STD DEV	1.549	(5.413)	0.468	(27.152)	

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	Simulator
Sample #1	1.5560	(-0.0100)	2.9780	(-0.0040)	MP 3062
Sample #2	1.5520	(0.0070)	2.9980	(-0.0140)	0.080 AC
Sample #3	1.5420	(0.0040)	2.9730	(0.0220)	Lot: 16180
Sample #4	1.5310	(0.0230)	2.9650	(0.0170)	Exp.: 1 Aug 18
Avg % Abs	1.5417	(0.0113)	2.9787	(0.0083)	
STD DEV	0.0105	(0.0102)	0.0172	(0.0195)	
REL STD DEV	0.681	(90.127)	0.578	(234.026)	

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	Simulator
Sample #1	1.8950	(-0.0140)	3.5890	(-0.0160)	MP 3071
Sample #2	1.8760	(0.0050)	3.6220	(-0.0120)	0.100 AC
Sample #3	1.8640	(0.0280)	3.6020	(0.0130)	Lot: 17280
Sample #4	1.8760	(0.0100)	3.6060	(0.0060)	Exp.: 11 Sep 19
Avg % Abs	1.8720	(0.0143)	3.6100	(0.0023)	
STD DEV	0.0069	(0.0121)	0.0106	(0.0129)	
REL STD DEV	0.370	(84.396)	0.293	(552.730)	

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

Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	Simulator
Sample #1	5.2970	(0.0230)	9.8500	(0.0170)	MP 3071
Sample #2	5.3490	(0.0260)	9.9070	(0.0340)	0.300 AC
Sample #3	5.3580	(0.0280)	9.9400	(0.0350)	Lot: 201803H
Sample #4	5.3540	(0.0340)	9.9320	(0.0200)	Exp.: 22 Mar 20
Avg % Abs	5.3537	(0.0293)	9.9263	(0.0297)	
STD DEV	0.0045	(0.0042)	0.0172	(0.0084)	
REL STD DEV	0.084	(14.193)	0.173	(28.269)	

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004953
 04/20/2018 09:06:02

Auto Calibration

pg 2 of 2

```

<<<<<      3um      >>>>>
-----
Zero Order Coef   -229.16
First Order Coef  2617.68
Second Order Coef  17.49
  
```

```

<<<<<      9um      >>>>>
-----
Zero Order Coef   -271.95
First Order Coef  1345.80
Second Order Coef  12.16
  
```

```

-----
Act      Fit      Residual
(g/210L) (g/210L) (g/210L)
0.000    -0.000    0.0000
0.040    0.040    0.0002
0.080    0.081   -0.0008
0.100    0.099    0.0006
0.300    0.300   -0.0000
  
```

```

-----
Act      Fit      Residual
(g/210L) (g/210L) (g/210L)
0.000    0.000   -0.0002
0.040    0.039    0.0006
0.080    0.081   -0.0007
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 *Ethanol Gas Standard*

Sample #1	4209.00	4221.00	lot:
Sample #2	4261.00	4195.00	Cyl. No.:
Sample #3	4282.00	4247.00	Exp.:
Sample #4	4254.00	4223.00	0.100 AC
Avg	4265.6665	4221.6665	
STD DEV	14.5717	26.0256	
REL STD DEV	0.342	0.616	
H2O adjust (mg/l*10k)	496	540	

Atmospheric Pressure = 967

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

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:08

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

abcdefghijklmnopqrstuvwxyz1234567890- = |
ABCDEFGHIJKLMNPOQRSTUVWXYZ!@#%^&*()_+?

abcdefghijklmnopqrstuvwxyz1234567890- = |
ABCDEFGHIJKLMNPOQRSTUVWXYZ!@#%^&*()_+?

Current Instrument Setup

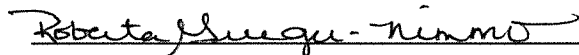
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 34917080A3
Standard Cyl #? 28
Standard Expiration? 02/05/2020
Oper No? 888888

Flow Cal. Date: 04/20/2018
Slope 609
Intercept -462839

IR Calibration Date: 04/20/2018

	3um	9um
0th Coef(*100):	-22916	-27195
1st Coef(*100):	261768	134580
2nd Coef(*100):	1749	1216
H2O adj(mg/l*10k):	496	540

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



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: *Print Test*

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

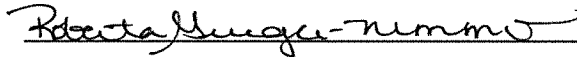
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:29

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:30
02 Std. Sol.	0.019	10:30
03 Room Air	0.000	10:31
04 Std. Sol.	0.019	10:32
05 Room Air	0.000	10:32
06 Std. Sol.	0.019	10:33
07 Room Air	0.000	10:33

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

Form 106-I8000

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

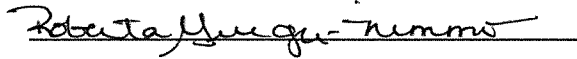
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:41

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:41
02 Std. Sol.	0.295	10:42
03 Room Air	0.000	10:43
04 Std. Sol.	0.295	10:43
05 Room Air	0.000	10:44
06 Std. Sol.	0.295	10:45
07 Room Air	0.000	10:45

08 Sim Temp = 34.0°C

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


Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: High AC
0.300 AC

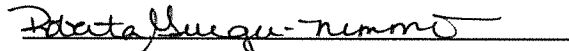
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:21

Test	AC	Time
01 Room Air	0.000	10:22
02 *Subject Test	INT*	10:22
03 Room Air	0.000	10:23

*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 = 34917080A3
Cyl No = 28
Expiration Date = 02/05/2020
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: *Interferent Check*
0.10 AC + 0.0590 Acetone

Form 106-I8000

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

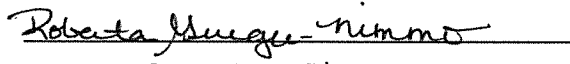
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:24

Test	AC	Time
01 Diagnostic	OK	10:25
02 Room Air	0.000	10:25
03 *Subject Test	RFI*	10:26
04 Room Air	0.000	10:26

*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 = 34917080A3
Cyl No = 28
Expiration Date = 02/05/2020
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 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:09

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:09
02 Std. Gas	0.081	10:10
03 Room Air	0.000	10:10
04 Std. Gas	0.081	10:10
05 Room Air	0.000	10:11
06 Std. Gas	0.081	10:11
07 Room Air	0.000	10:12

Lot No = 34917080A3
Cyl No = 28
Exp Date = 02/05/2020
County = 08 Oper No. = 888888

Roberta Grieger-Nimmo

Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080 AC

Form 106-I8000

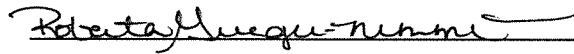
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:12

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:13
02 Std. Gas	0.082	10:13
03 Room Air	0.000	10:14
04 Std. Gas	0.081	10:14
05 Room Air	0.000	10:14
06 Std. Gas	0.081	10:15
07 Room Air	0.000	10:15

Lot No = 34917080A3
Cyl No = 28
Exp Date = 02/05/2020
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080 AC

Form 106-I8000

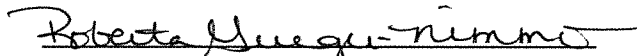
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004953
Location = TOXL 8164.14.00 09/16
04/20/2018 10:17

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	10:18
02 Std. Gas	0.082	10:18
03 Room Air	0.000	10:19
04 Std. Gas	0.081	10:19
05 Room Air	0.000	10:19
06 Std. Gas	0.081	10:20
07 Room Air	0.000	10:20

Lot No = 34917080A3
Cyl No = 28
Exp Date = 02/05/2020
County = 08 Oper No. = 888888


Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Calibration Check
0.080AC