

INTOXILYZER® 8000 INSPECTION

Intoxilyzer® 8000 Serial Number: 80-005949 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: 749 psi Regulator: 750 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 #: NP3067 Lot #: 16200 Exp. Date: 17 Aug 18
- b. High AC (Level 1,C): Known Value ≥ 0.25 AC: 0.300 AC
Sim. Ser #: NP3065 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 #: DR25144 Lot #: 1CS5 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>0.082</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>0.080</u>	Test 9 <u>0.082</u>
Average <u>0.081</u>		

C. Remarks/Maintenance: Annual inspection. Replaced ^{analytical} tightens bench as instrument results were low after recent calibration adjustment. Replaced o-rings on breath hose, calibration inlet and regulator. Completed tank sensor calibration, flow sensor calibration, calibration adjustment of optical bench before completing annual inspection.

Instrument is acceptable to be used in the field.

Roberta Murgu-Nimmo
Breath Analyst Signature

14 Jun 18
Date

Charles E. Edr
Reviewed by

14 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 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 11:56

Flow Rate Calibration*****

1: Rate (Liters/min) = 5
 SQRT(Diff)) = 6.707
2: Rate (Liters/min) = 15
 SQRT(Diff)) = 12.121
3: Rate (Liters/min) = 30
 SQRT(Diff)) = 22.824
Dependent Data Scale Factor = 100000 L/min
Independent Data Scale Factor = 256
Rounded Slope = 598
Rounded Intercept = -457806
Correlation = 0.99739

Flow Rate Verification Check

Gilmont Instrumental Flowmeter Model F-4001
SN 40655

Flow Rate Set to ^{10 ~~20~~ L/min}
Flow Sensor F: $0.164 \text{ L/sec} \times 60 \text{ sec/min} = 9.84 \text{ L/min}$

Flow Rate Set to 20 L/min
Flow Sensor F: $0.328 \text{ L/sec} \times 60 \text{ sec/min} = 19.68 \text{ L/min}$

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005949
 06/14/2018 12:05:01

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)			% Abs	(% Abs Ref)			MP3048		
Sample #1	0.0710	(0.0060)		0.1870	(-0.0150)			0.1780	(0.0230)			Lot: mini QH20		
Sample #2	0.0910	(0.0330)		0.1780	(0.0230)			0.1600	(0.0380)			Exp.: NA		
Sample #3	0.0540	(0.0670)		0.1770	(0.0190)			0.1717	(0.0267)					
Sample #4	0.0770	(0.0780)		0.0101	(0.0100)			5.893	(37.562)					
Avg % Abs	0.0740	(0.0593)												
STD DEV	0.0187	(0.0235)												
REL STD DEV	25.245	(39.538)												

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1													0.040 AC	
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)			MP3003		
Sample #1	0.7440	(0.0180)		1.5280	(0.0090)			1.5440	(0.0120)			Lot: 201706B		
Sample #2	0.7420	(0.0300)		1.5190	(0.0230)			1.5760	(0.0040)			Exp.: 6 Jun 19		
Sample #3	0.7430	(0.0350)		1.5463	(0.0130)			0.0286	(0.0095)					
Sample #4	0.7810	(0.0280)		1.848	(73.380)									
Avg % Abs	0.7553	(0.0310)												
STD DEV	0.0222	(0.0036)												
REL STD DEV	2.944	(11.631)												

Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1													0.080 AC	
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)			MP3057		
Sample #1	1.4650	(-0.0170)		2.8850	(-0.0130)			2.8620	(0.0040)			Lot: 16180		
Sample #2	1.4330	(0.0090)		2.8850	(0.0000)			2.8810	(-0.0020)			Exp.: 1 Aug 19		
Sample #3	1.4720	(0.0000)		2.8760	(0.0007)			0.0123	(0.0031)					
Sample #4	1.4660	(0.0000)		0.427	(458.258)									
Avg % Abs	1.4570	(0.0030)												
STD DEV	0.0210	(0.0052)												
REL STD DEV	1.441	(173.205)												

Solution = 0.100 g/210L or 0.4762 mg/l, Samples = 4, Discarded = 1													0.100 AC	
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)			MP3063		
Sample #1	1.8070	(-0.0140)		3.5470	(-0.0090)			3.5440	(0.0020)			Lot: 201703B		
Sample #2	1.8190	(-0.0040)		3.5340	(0.0170)			3.5490	(0.0050)			Exp.: 7 Mar 19		
Sample #3	1.7990	(0.0000)		3.5423	(0.0080)			0.0076	(0.0079)					
Sample #4	1.7950	(0.0010)		0.216	(99.216)									
Avg % Abs	1.8043	(-0.0010)												
STD DEV	0.0129	(0.0026)												
REL STD DEV	0.713	(264.575)												

Solution = 0.300 g/210L or 1.4286 mg/l, Samples = 4, Discarded = 1													0.300 AC	
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)			% Abs	(% Abs Ref)			MP3062		
Sample #1	5.0700	(-0.0210)		9.7210	(-0.0160)			9.7190	(0.0100)			Lot: 201803H		
Sample #2	5.0770	(0.0000)		9.7610	(0.0210)			9.7910	(0.0010)			Exp.: 22 Mar 20		
Sample #3	5.0830	(0.0120)		9.7570	(0.0107)			0.0362	(0.0100)					
Sample #4	5.0830	(0.0120)		0.371	(93.906)									
Avg % Abs	5.0810	(0.0080)												
STD DEV	0.0035	(0.0069)												
REL STD DEV	0.068	(86.603)												

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-005949
 06/14/2018 12:05:01

Auto Calibration

pg 2 of 2

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

 Zero Order Coef -182.15
 First Order Coef 2696.23
 Second Order Coef 29.70

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

 Zero Order Coef -236.65
 First Order Coef 1368.96
 Second Order Coef 12.24

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	0.000	-0.0004
0.040	0.039	0.0007
0.080	0.080	0.0000
0.100	0.100	-0.0004
0.300	0.300	0.0000

Act (g/210L)	Fit (g/210L)	Residual (g/210L)
0.000	-0.000	0.0000
0.040	0.040	-0.0001
0.080	0.080	0.0002
0.100	0.100	-0.0001
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
 Sample #1 4269.00 4122.00
 Sample #2 4301.00 4156.00
 Sample #3 4247.00 4079.00
 Sample #4 4217.00 4082.00
 Avg 4255.0000 4105.6665
 STD DEV 42.5676 43.6157
 REL STD DEV 1.000 1.062
 H2O adjust (mg/l*10k) 506 656

lot: 32316100A7
 Cyl. No: 3
 Exp: 5Jan19

Atmospheric Pressure = 944

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

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 12:55

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

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

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

Current Instrument Setup

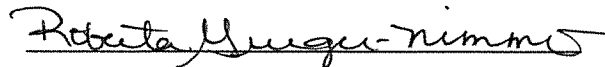
Data Entry Mode: Enabled
Start Test Sequence: DABACABA
Display Prelim Rslt? Yes
Display Third Digit? Yes
Inhib Printer(Y/N)? No
Display Volume? No
Disable On Memfull? Yes
of Print Copies? 1
Select Std (D/W/I)? Dry
Standard Value? 0.080
Standard Lot #? 20016080A2
Standard Cyl #? 40
Standard Expiration?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

Flow Cal. Date: 06/14/2018
Slope 598
Intercept -457806

IR Calibration Date: 06/14/2018

	3um	9um
0th Coef(*100):	-18215	-23665
1st Coef(*100):	269623	136896
2nd Coef(*100):	2970	1224
H2O adj(mg/l*10k):	506	656

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



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: Print test

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

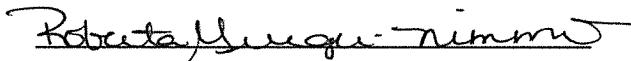
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 13:17

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:17
02 Std. Sol.	0.020	13:18
03 Room Air	0.000	13:18
04 Std. Sol.	0.020	13:19
05 Room Air	0.000	13:20
06 Std. Sol.	0.020	13:20
07 Room Air	0.000	13:21

08 Sim Temp = 34.0°C

Simul Ser No = MP3067
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 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 13:11

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:11
02 Std. Sol.	0.296	13:12
03 Room Air	0.000	13:13
04 Std. Sol.	0.298	13:13
05 Room Air	0.000	13:14
06 Std. Sol.	0.298	13:15
07 Room Air	0.000	13:15

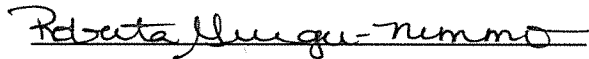
08 Sim Temp = 34.0°C

Simul Ser No = MP3065

Std Sol No = 17350

County = 08

Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

Remarks: High AC
0.300 AC

Form 106-I8000

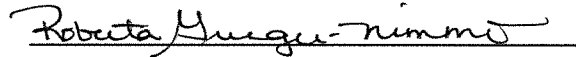
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 13:04

Test	AC	Time
01 Room Air	0.000	13:05
02 *Subject Test	INT*	13:06
03 Room Air	0.000	13:07

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 01/01/1982
Sub Sex = Female Weight = 150
Test = DUI Cit = INTERERENT
Dr. Lic. = ND/DIS821456
Lot No = 20016080A2
Cyl No = 40
Expiration Date = 09/05/2018
County = 08 Oper No. = 888888



Operator Signature
ROBERTA GRIEGER-NIMMO

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

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

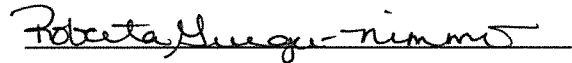
CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 13:07

Test	AC	Time
01 Diagnostic	OK	13:08
02 Room Air	0.000	13:08
03 *Subject Test	RFI*	13:09
04 Room Air	0.000	13:09

*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

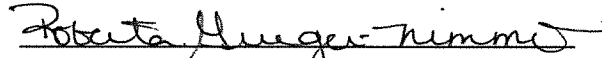
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 12:51

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	12:52
02 Std. Gas	0.081	12:52
03 Room Air	0.000	12:53
04 Std. Gas	0.081	12:53
05 Room Air	0.000	12:54
06 Std. Gas	0.081	12:54
07 Room Air	0.000	12:55

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

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 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 12:56

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	12:56
02 Std. Gas	0.082	12:56
03 Room Air	0.000	12:57
04 Std. Gas	0.081	12:57
05 Room Air	0.000	12:58
06 Std. Gas	0.080	12:58
07 Room Air	0.000	12:59

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
0.080 AC

Form 106-I8000

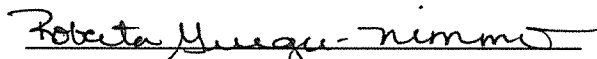
Intoxilyzer Test Record and Checklist
NDOAG Crime Lab. Div., Bismarck, ND 58501

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-005949
Location = TOXL 8164.14.00 09/16
06/14/2018 13:00

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:00
02 Std. Gas	0.082	13:01
03 Room Air	0.000	13:01
04 Std. Gas	0.081	13:01
05 Room Air	0.000	13:02
06 Std. Gas	0.082	13:02
07 Room Air	0.000	13:03

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