

**INTOXILYZER 8000
REPAIR AND MAINTENANCE**

Serial No.: 80-004188

Location: TOXL

Check When Done

1. Is a three-pronged grounded outlet used? ✓
2. Is the warm-up time less than 20 minutes? ✓
3. Is the breath tube heated? ✓
4. Is the diagnostic check complete? ✓
5. Is the time, date, and year correct (re-set if necessary)? ✓
6. Print test. (Attach test record.) ✓
7. Calibration Check. Use Ethanol Breath Standard (EBS). Do three sets in ACA mode. (Attach test records.)

Lot No. 15410080A1 Cylinder No. 2 Expir. Date 7/1/12

Test 1 0.080 Test 4 0.081 Test 7 0.081

Test 2 0.079 Test 5 0.080 Test 8 0.081

Test 3 0.080 Test 6 0.081 Test 9 0.081

Average 0.080

8. Low AC. Use < 0.03 AC in ACA mode. (Attach test record.) ✓
9. Linearity Test. Use ≥ 0.25 AC in ACA mode. (Attach test record.) ✓
10. Interferent check. Use 0.05% acetone plus 0.10 AC ethanol in ABA mode. (Attach test record.) ✓
11. RFI check. Run CMS mode. Key radio on first room air. (Attach test record.) ✓

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Electrical Repairs:

1. Was the calibration adjusted/performed? (Attach test record.) yes
2. Was the light source changed? NO
3. Was the sample chamber cleaned? NO

Other Maintenance/Repairs:

1. Was the printer cleaned/repared? NO
2. Was the solenoid cleaned? NO
3. Was new tubing installed? NO
4. Were additional parts replaced/changed/repared? NO
5. Remarks/Maintenance record: Recalibration

30 Dec 2010
Date

3 Jan 2011 mtp
Date

Deb Keshu
Field Inspector's Signature

Maryann Beam
Reviewed by

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004188
 12/30/2010 10:33:17

Auto Calibration

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

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	0.1290	(0.0130)		0.2460	(-0.0010)								
Sample #2	0.1240	(0.0680)		0.2440	(0.0040)								
Sample #3	0.1190	(0.1100)		0.2520	(0.0040)								
Sample #4	0.1280	(0.1410)		0.2470	(0.0260)								
Avg % Abs	0.1237	(0.1063)		0.2477	(0.0113)								
STD DEV	0.0045	(0.0366)		0.0040	(0.0127)								
REL STD DEV	3.646	(34.456)		1.632	(112.074)								

Solution = 0.021 g/210L or 0.1000 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	0.4430	(0.0170)		0.8960	(0.0040)								
Sample #2	0.4600	(0.0160)		0.9170	(0.0090)								
Sample #3	0.4540	(0.0380)		0.8900	(0.0260)								
Sample #4	0.4290	(0.0550)		0.8820	(0.0390)								
Avg % Abs	0.4477	(0.0363)		0.8963	(0.0247)								
STD DEV	0.0164	(0.0196)		0.0183	(0.0150)								
REL STD DEV	3.673	(53.817)		2.046	(60.991)								

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	0.7300	(0.0000)		1.5100	(-0.0180)								
Sample #2	0.7210	(0.0090)		1.5010	(-0.0070)								
Sample #3	0.7660	(0.0040)		1.5260	(-0.0060)								
Sample #4	0.7630	(0.0120)		1.5520	(-0.0290)								
Avg % Abs	0.7500	(0.0083)		1.5263	(-0.0140)								
STD DEV	0.0252	(0.0040)		0.0255	(0.0130)								
REL STD DEV	3.355	(48.497)		1.671	(92.857)								

Solution = 0.120 g/210L or 0.5714 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	2.0990	(0.0060)		4.2190	(0.0090)								
Sample #2	2.1070	(0.0220)		4.2660	(-0.0100)								
Sample #3	2.0980	(0.0390)		4.2680	(-0.0090)								
Sample #4	2.0900	(0.0470)		4.2550	(-0.0040)								
Avg % Abs	2.0983	(0.0360)		4.2630	(-0.0077)								
STD DEV	0.0085	(0.0128)		0.0070	(0.0032)								
REL STD DEV	0.405	(35.464)		0.164	(41.929)								

Solution = 0.294 g/210L or 1.4000 mg/l, Samples = 4, Discarded = 1													
Sample	% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		% Abs	(% Abs Ref)		
Sample #1	4.9620	(-0.0260)		9.8700	(-0.0210)								
Sample #2	4.9510	(0.0010)		9.8340	(-0.0140)								
Sample #3	4.9310	(0.0130)		9.8300	(-0.0200)								
Sample #4	4.9450	(0.0150)		9.7880	(-0.0250)								
Avg % Abs	4.9423	(0.0097)		9.8173	(-0.0197)								
STD DEV	0.0103	(0.0076)		0.0255	(0.0055)								
REL STD DEV	0.208	(78.330)		0.260	(28.005)								

Calibration
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TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004188
 12/30/2010 10:33:17

Auto Calibration

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<<<<< 3um >>>>>			<<<<< 9um >>>>>		
-----			-----		
Zero Order Coef	-308.74		Zero Order Coef	-282.46	
First Order Coef	2877.65		First Order Coef	1385.12	
Second Order Coef	3.37		Second Order Coef	7.04	
-----			-----		
Act	Fit	Residual	Act	Fit	Residual
(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)	(g/210L)
0.000	0.001	-0.0010	0.000	0.001	-0.0013
0.021	0.021	0.0004	0.021	0.020	0.0007
0.040	0.039	0.0011	0.040	0.039	0.0012
0.120	0.121	-0.0006	0.120	0.121	-0.0008
0.294	0.294	0.0001	0.294	0.294	0.0001
-----			-----		

<<<<< 3um >>>>>		<<<<< 9um >>>>>	
-----		-----	
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1			
Sample			
Sample #1	3066.00	3062.00	
Sample #2	3091.00	3069.00	
Sample #3	3060.00	3057.00	
Sample #4	3045.00	3036.00	
Avg	3065.3333	3054.0000	
STD DEV	23.4592	16.7033	
REL STD DEV	0.765	0.547	
H2O adjust (mg/l*10k)	744	755	

Atmospheric Pressure = 1006

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

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 12:30

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

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

abcdefghijklmnopqrstuvwxyz1234567890-=_|
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 #? 15410080A1
Standard Cyl #? 2
Standard Expiration? 07/01/2012
Oper No? 777777

Flow Cal. Date: 06/04/2009
Slope 689
Intercept -630047

IR Calibration Date: 12/30/2010

	3um	9um
0th Coef(*100):	-30874	-28246
1st Coef(*100):	287765	138512
2nd Coef(*100):	337	704
H2O adj(mg/l*10k):	744	755

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

Deb Keshur

Operator Signature
DEB KASHUR

Remarks:

Print Test

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 12:30

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	12:31
02 Std. Gas	0.080	12:31
03 Room Air	0.000	12:32
04 Std. Gas	0.079	12:32
05 Room Air	0.000	12:32
06 Std. Gas	0.080	12:33
07 Room Air	0.000	12:33

Lot No = 15410080A1
Cyl No = 2
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Calibration check

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 13:34

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:34
02 Std. Gas	0.081	13:35
03 Room Air	0.000	13:35
04 Std. Gas	0.080	13:36
05 Room Air	0.000	13:36
06 Std. Gas	0.081	13:36
07 Room Air	0.000	13:37

Lot No = 15410080A1
Cyl No = 2
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Calibration check

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 13:45

DRY CAL CHECK

Test	AC	Time
01 Room Air	0.000	13:45
02 Std. Gas	0.081	13:46
03 Room Air	0.000	13:46
04 Std. Gas	0.081	13:47
05 Room Air	0.000	13:47
06 Std. Gas	0.081	13:48
07 Room Air	0.000	13:48

Lot No = 15410080A1
Cyl No = 2
Exp Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Calibration check

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 15:06

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:07
02 Std. Sol.	0.020	15:07
03 Room Air	0.000	15:08
04 Std. Sol.	0.021	15:09
05 Room Air	0.000	15:09
06 Std. Sol.	0.021	15:10
07 Room Air	0.000	15:10

08 Sim Temp = 34.0°C

Simul Ser No = 00000

Std Sol No = 000

County = 08

Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Low AC 0.021 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 15:11

WET CAL CHECK

Test	AC	Time
01 Room Air	0.000	15:11
02 Std. Sol.	0.294	15:12
03 Room Air	0.000	15:13
04 Std. Sol.	0.294	15:13
05 Room Air	0.000	15:14
06 Std. Sol.	0.293	15:15
07 Room Air	0.000	15:15

08 Sim Temp = 34.0°C

Simul Ser No = 00000

Std Sol No = 000

County = 08

Oper No. = 777777

Deb Kasher

Operator Signature
DEB KASHUR

Remarks:

Linearity test 0.294 AC

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

CMI, Inc. Intoxilyzer Alcohol Analyzer
North Dakota Model 8000 SN 80-004188
Location = TOXL 8164.13.00 06/09
12/30/2010 15:02

Test	AC	Time
01 Room Air	0.000	15:02
02 *Subject Test	INT*	15:04
03 Room Air	0.000	15:05

*Invalid Test
Interferent Detected

Sub Name = DISCOVER, THE SPIRIT
Sub DOB = 02/01/1992
Sub Sex = Female Weight = 150
Test = DUI Cit = NA
Dr. Lic. = ND/DIS921456
Lot No = 15410080A1
Cyl No = 2
Expiration Date = 07/01/2012
County = 08 Oper No. = 777777

Deb Kashur

Operator Signature
DEB KASHUR

Remarks:

Interferent check

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