



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

REPORT #7

**RECEIVED**  
 By Carol Day at 3:11 pm, Dec 18, 2014

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 102458	PRINTER SN 093.3578.252	DATE OF INSPECTION 12/10/2014
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LOCATION OF INSTRUMENT (STREET AND CITY) 600 E. WALNUT COLUMBIA	TIME OF INSPECTION 6:19 pm
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**CHECKLIST:** Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)

TEMPERATURE OF ALCO SENSOR (10°C - 40°C)

PRINTER WORKING PROPERLY

TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER INTOXIMETERS LOT # AG414902 EXP. DATE 05/29/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) SIMULATOR SN SIMULATOR EXP DATE

CALIBRATION CHECK – (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)

Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)

- 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
- 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE
- 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1  .101

TEST 2  .100

TEST 3  .100

RFI DETECTOR OPERATING

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:  
 (DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS	2	(0-.04)	0	(.05-.09)	3	(.10-.14)	2	(.15-.19)	1	(OVER .19)	1
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List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

Re-calibrated to .100. Was testing at .048 with a .100 compressed gas.

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
 Nathan Turner

TYPE II PERMIT NUMBER/EXPIRATION DATE  
 220411 12/20/2014

TELEPHONE NUMBER  
 (573) 441-5467

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
 2875 James Boulevard  
 Poplar Bluff, MO 63901



Airgas USA LLC (LAB)  
 3500 Bernard Street  
 St. Louis, Mo. 63103  
 Ph: (314) 533-3100  
 Fax: (314) 533-7328

## Certificate of Analysis

**Customer Name**  
 Intoximeters, Inc.  
 2081 Craig Road  
 St. Louis, Mo 63146

**Test Date:** 2-Jun-2014

**Lot # AG414902**

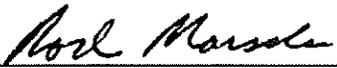
<b><u>Exp. Date</u></b> 29-May-2016	<b><u>Cyl. Type</u></b> 55	<b><u>Component</u></b> Ethanol Nitrogen	<b><u>Certified Concentration</u></b> 0.100 ± 2% BrAC (272 ppm) Balance
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**Certification Traceable to N.I.S.T. RGM Ethanol Standards:**

<b><u>Serial No.</u></b>	<b><u>Concentration</u></b>	<b><u>Serial No.</u></b>	<b><u>Concentration</u></b>
EB0010581	391.8 ppm	EB0010603	392.5 ppm
EB0010570	259.8 ppm	EB0010559	258.9 ppm
EB0010285	209.0 ppm	EB0010595	208.9 ppm
EB0010561	103.7 ppm	EB0010562	104.9 ppm
EB0010681	52.22 ppm	EB0010579	52.94 ppm

**Analytical Method:** NDIR

Digitally signed by Quality Control  
 Date: 2014.06.03 09:10:02 -05:00  
 Reason: Dry gas standard certification of analysis  
 Location: Airgas USA LLC (Lab)

**Analyst:**   
 Rod Marsala

**ISO 17025:2005 A2LA accredited. Certificate Number 2989.01**

AS IV Serial no: 102458  
Version no: 004C

TEST RECORD 01056

Temp Date Time 210L

Air Blank:  
12/10/14 18:22 .000  
Calibration Check:  
26 12/10/14 18:22 .100

Subject Name

Test  
Subject I.D.

Operator Name: I.D.

Turner 1985  
Location  
CPD

AS IV Serial no: 102458  
Version no: 004C

TEST RECORD 01056

Temp Date Time 210L

Air Blank:  
12/10/14 18:19 .000  
Calibration Check:  
25 12/10/14 18:19 .101

Subject Name

Test  
Subject I.D.

Operator Name: I.D.

Turner 1985  
Location  
CPD

AS IV Serial no: 102458  
Version no: 004C

TEST RECORD 01059

Temp Date Time 210L

Void: RF1  
12 12/10/14 18:23

Subject Name

Test

Operator Name: I.D.

Turner 1985  
Location  
CPD

AS IV Serial no: 102458  
Version no: 004C

TEST RECORD 01057

Temp Date Time 210L

Air Blank:  
12/10/14 18:20 .000  
Calibration Check:  
26 12/10/14 18:20 .100

Subject Name

Test

Operator Name: I.D.

Turner 1985  
Location  
CPD