



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

**RECEIVED**  
By Carol Day at 8:54 am, Oct 30, 2014  
REPORT #7

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

ALCO SENSOR IV SN <u>105447</u>	PRINTER SN <u>099.3586.790</u>	DATE OF INSPECTION <u>10/21/2014</u>
LOCATION OF INSTRUMENT (STREET AND CITY)		TIME OF INSPECTION

**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 Intox meter       COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER \_\_\_\_\_ LOT # AG420206 EXP. DATE 3/21/2011
- 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 <input checked="" type="checkbox"/> <u>.078</u>	TEST 2 <input checked="" type="checkbox"/> <u>.077</u>	TEST 3 <input checked="" type="checkbox"/> <u>.078</u>
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- 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 <u>7</u> (0-.04)	<u>0</u> (.05-.09)	<u>3</u> (.10-.14)	<u>0</u> (.15-.19)	<u>0</u> (OVER .19)
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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).

operating within MODHS standards

**INSPECTING OFFICER**

SIGNATURE <u>[Signature]</u>	PRINT NAME <u>John B Huts</u>
TYPE II PERMIT NUMBER/EXPIRATION DATE <u>230162 08/14/2015</u>	TELEPHONE NUMBER <u>417 358 8177</u>

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

AS IV Serial no: 105447  
Version no: 532B

TEST RECORD 00347

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
10/21/14 09:37 .000  
Subject Test: Man  
26 10/21/14 09:37 .077

*John Hicks  
230/b2 08/14/2014  
SAGORCO.SC.*

AS IV Serial no: 105447  
Version no: 532B

TEST RECORD 00348

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
10/21/14 09:39 .000  
Subject Test: Man  
26 10/21/14 09:39 .078

Location

JJJE

*John Hicks  
230/b2 08/14/2014  
SAGORCO.SC.*

AS IV Serial no: 105447  
Version no: 532B

TEST RECORD 00349

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
10/21/14 09:40 .000  
Subject Test: Man  
27 10/21/14 09:40 .078

John H. H.

220160 8/19/15

J. H. H. CO 50

AS IV Serial no: 105447  
Version no: 532B

TEST RECORD 00350

Temp Date Time 210L

VOID: RFI  
12 10/21/14 09:41

Subject I.D.

John H. H.

220162 8/19/15

J. H. H. CO 50



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:** 21-Jul-2014

**Lot #** AG420204

**Exp. Date**

21-Mar-2016

**Cyl. Type**

30

**Component**

Ethanol  
Nitrogen

**Certified Concentration**

0.082 ± 0.002 BrAC (223 ppm)  
Balance

**Certification Traceable to N.I.S.T. RGM Ethanol Standards:**

<u>Serial No.</u>	<u>Concentration</u>	<u>Serial No.</u>	<u>Concentration</u>
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: 2014.07.21 17:23:14 -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**