



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

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 102464	PRINTER SN 08C.3527.166	DATE OF INSPECTION 06/13/2016
LOCATION OF INSTRUMENT (STREET AND CITY) 600 E WALNUT COLUMBIA		TIME OF INSPECTION 10:00 am

**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 # AG505101 EXP. DATE 02/20/2017

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 ➔ .102	TEST 2 ➔ .101	TEST 3 ➔ .100
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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	4	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	3	(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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Spirit Stevens
TYPE II PERMIT NUMBER/EXPIRATION DATE 344517 11/17/16	TELEPHONE NUMBER (573) 874-7652

**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:** 23-Feb-2015

**Lot #** AG505101

<u>Exp. Date</u>	<u>Cyl. Type</u>	<u>Component</u>	<u>Certified Concentration</u>
20-Feb-2017	108	Ethanol Nitrogen	0.100 ± 2% BrAC (272 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: 2015.02.23 15:38:13 -06:00  
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: 102464  
Version no: 532B

TEST RECORD 00051

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
06/13/16 10:10 .000  
Calibration Check:  
26 06/13/16 10:10 .100

Subject Name  
Calibrate 3  
Subject I.D.

Operator Name, I.D.  
S Stevens 203  
Location

AS IV Serial no: 102464  
Version no: 532B

TEST RECORD 00050

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
06/13/16 10:08 .000  
Calibration Check:  
26 06/13/16 10:08 .101

Subject Name  
Calibrate 2  
Subject I.D.

Operator Name, I.D.  
S Stevens 203  
Location

AS IV Serial no: 102464  
Version no: 532B

TEST RECORD 00052

Temp Date Time <sup>9/</sup> 210L

VOID: RFI  
12 06/13/16 10:13

Subject Name  
RFI  
Subject I.D.

Operator Name, I.D.  
S Stevens 203  
Location

AS IV Serial no: 102464  
Version no: 532B

TEST RECORD 00049

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
06/13/16 10:07 .000  
Calibration Check:  
25 06/13/16 10:07 .102

Subject Name  
Calibrate 1  
Subject I.D.

Operator Name, I.D.  
S Stevens 203  
Location