



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.

RECEIVED 6/11/14-CD

**REVIEWED**  
 By Carol Day at 3:15 pm, Jul 21, 2014

ALCO SENSOR IV SN 097439	PRINTER SN 096.3580.990	DATE OF INSPECTION 06/04/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 2009 Chevrolet 1/2 ton truck / Osage Beach Parkway / Osage Beach		TIME OF INSPECTION 1:55 pm

**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 Guth Laboratories, Inc. LOT # 13290 EXP. DATE 10/29/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN SD 3150 SIMULATOR EXP DATE 01/03/2015

- 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 ➡ .103%	TEST 2 ➡ .100%	TEST 3 ➡ .104%
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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	0	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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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).

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>[Signature]</i>	PRINT NAME Tpr. C. Richardson
TYPE II PERMIT NUMBER/EXPIRATION DATE 230335 / 12/23/2015	TELEPHONE NUMBER (573) 751-1000

**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: 097439  
Version no: 084C

TEST RECORD 00177

Temp Date Time 210L  
Air Blank: 07/01/14 14:07 .100  
Calibration Check: 26 07/01/14 14:07 .104

Subject Name  
Subject I.D.

Operator Name: I.D.  
Location

AS IV Serial no: 097439  
Version no: 084C

TEST RECORD 00176

Temp Date Time 210L  
Air Blank: 07/01/14 14:05 .000  
Calibration Check: 25 07/01/14 14:05 .100

Subject Name  
Subject I.D.

Operator Name: I.D.  
Location

AS IV Serial no: 097439  
Version no: 084C

TEST RECORD 00175

Temp Date Time 210L  
Air Blank: 07/01/14 13:55 .000  
Calibration Check: 23 07/01/14 13:55 .103

Subject Name  
Subject I.D.

Operator Name: I.D.  
Location

AS IV Serial no: 097439  
Version no: 084C

TEST RECORD 00178

Temp Date Time 210L  
Void: RFI  
12 07/01/14 14:15

Subject Name

Subject I.D.

Operator Name: I.D.  
Location



# GUTH LABORATORIES, INC.

800 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-664-6470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13290 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on October 31, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1202% (w/vol) ethyl alcohol. The expiration date for this lot number is October 29, 2015 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 3%.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President  
GUTH LABORATORIES, INC.

**NIST Traceability:**

Testing was conducted using Certified Reference Standard lot number FN122211-02 whose values are traceable to NIST.  
All balances are calibrated annually by an outside agency using NIST traceable weights.  
Calibration verification is done prior to each use utilizing NIST traceable weights.