



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

RECEIVED 8/5/14-CD **REPORT #7**

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.

**REVIEWED** Instrument is repaired  
By Carol Day at 8:59 am, Aug 28, 2014

ALCO SENSOR IV SN 097460	PRINTER SN 096.3580.957	DATE OF INSPECTION 07/31/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Toad Cove, Bittersweet Road, Lake Ozarks		TIME OF INSPECTION 9:57 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 1292 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 <input checked="" type="checkbox"/> .098%	TEST 2 <input checked="" type="checkbox"/> .100%	TEST 3 <input checked="" type="checkbox"/> .099%
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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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Trooper 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 IU Serial no: 097460  
Version no: 0040

TEST RECORD 00236

Temp Date Time 210L

Air Blank:  
07/31/14 21:57 .000  
Calibration Check:  
21 07/31/14 21:52 .098

Subject Name

Subject I.D.

Operator Name: I.D.

Location

AS IU Serial no: 097460  
Version no: 0040

TEST RECORD 00237

Temp Date Time 210L

Air Blank:  
07/31/14 21:59 .000  
Calibration Check:  
21 07/31/14 21:59 .100

Subject Name

Subject I.D.

Operator Name: I.D.

Location

AS IU Serial no: 097460  
Version no: 0040

TEST RECORD 00238

Temp Date Time 210L

Air Blank:  
07/31/14 22:00 .000  
Calibration Check:  
22 07/31/14 22:00 .099

Subject Name

Subject I.D.

Operator Name: I.D.

Location

AS IU Serial no: 097460  
Version no: 0040

TEST RECORD 00239

Temp Date Time 210L

Void: RFI  
12 07/31/14 22:02

Subject Name

Subject I.D.

Operator Name: I.D.

Location



**GUTH LABORATORIES, INC.**

800 NORTH 6TH STREET • HARRISBURG, PA 17111-4811 • 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 +/- 0.2°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 Cerilliant 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.*