



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

**RECEIVED**  
 By Carol Day at 11:53 am, May 07, 2014

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 <b>097462</b>	PRINTER SN <b>096.3580.960</b>	DATE OF INSPECTION <b>4/30/2014</b>
LOCATION OF INSTRUMENT (STREET AND CITY) <b>1781 Zumbetti Rd., St Charles, Mo 63303</b>		TIME OF INSPECTION <b>1613 hrs</b>

**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) **ok**
- TEMPERATURE OF ALCO SENSOR (10°C - 40°C) **ok**
- PRINTER WORKING PROPERLY **ok**
- TIME AND DATE DISPLAYING PROPERLY **ok**

**BREATH ALCOHOL ACCURACY STANDARDS**

- SIMULATOR SOLUTION  COMPRESSED ETHANOL GAS MIXTURE
- STANDARD SUPPLIER Guth Laboratories LOT # 12100 EXP. DATE 7/18/2014
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN SD2248 SIMULATOR EXP DATE 1/17/2015

- 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 • <b>.098</b>	TEST 2 • <b>.099</b>	TEST 3 • <b>.097</b>
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- RFI DETECTOR OPERATING **ok**

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

REFUSALS <b>0</b>	(0-.04) <b>0</b>	(.05-.09) <b>0</b>	(.10-.14) <b>0</b>	(.15-.19) <b>0</b>	(OVER .19) <b>0</b>
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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 <b>Daniel Gibbons 324</b>	PRINT NAME <b>Daniel Gibbons 324</b>
TYPE II PERMIT NUMBER/EXPIRATION DATE <b>240034 2/11/2016</b>	TELEPHONE NUMBER <b>(636) 949-3300 x 2324</b>

**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



**GUTH LABORATORIES, INC.**

890 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **12100** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **July 20, 2012**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1217%** (w/vol) ethyl alcohol. The expiration date for this lot number is **July 18, 2014** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  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.*

AS IV Serial no: 097462  
Version no: 532B

TEST RECORD 00023

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

Air Blank:  
04/30/14 16:13 .000  
Calibration Check:  
24 04/30/14 16:13 .098

Subject Name

Subject I.D.

Operator Name, I.D.

D Gibbons 324

Location

1781 Zumbetti Rd.

St. Charles, Mo 63303

AS IV Serial no: 097462  
Version no: 532B

TEST RECORD 00024

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

Air Blank:  
04/30/14 16:15 .000  
Calibration Check:  
25 04/30/14 16:15 .099

Subject Name

Subject I.D.

Operator Name, I.D.

D Gibbons 324

Location

1781 Zumbetti Rd.

St Charles, Mo 63303

AS IV Serial no: 097462  
Version no: 532B

TEST RECORD 00025

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

Air Blank:  
04/30/14 16:18 .000  
Calibration Check:  
25 04/30/14 16:18 .097

Subject Name

Subject I.D.

Operator Name, I.D.

D Gibbons 324

Location

1781 Zumbetti Rd.

St Charles, Mo 63303

AS IV Serial no: 097462  
Version no: 532B

TEST RECORD 00026 <sup>v/</sup>  
Temp Date Time 210L

VOID: NFI  
12 04/30/14 16:19

Subject Name

Subject I.D.

Operator Name, I.D.

D Gibbons 324

Location

1781 Zumbetti Rd.

St Charles, Mo 63303