



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

**RECEIVED**  
 By Carol Day at 4:05 pm, Jan 15, 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 0904801 Oakview MO	PRINTER SN 097.3584.331	DATE OF INSPECTION 01/04/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 6404 N Locust, Oakview, MO 64118 Oakview City Hall		TIME OF INSPECTION 6:20 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 # 13100 EXP. DATE 04/23/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN DR5394 SIMULATOR EXP DATE 02/25/2014

- 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 • .095	TEST 2 • .098	TEST 3 • .097
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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> 230074/4/14	PRINT NAME Dwon Littlejohn #230074
TYPE II PERMIT NUMBER/EXPIRATION DATE #230074/ 04/26/2015	TELEPHONE NUMBER (816) 436-9150

**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: 094801  
Version no: 532B

TEST RECORD 00218

Temp	Date	Time	s/ 210L
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Air Blank:  
01/04/14 19:59 .000  
Calibration Check:  
29 01/04/14 19:59 .095

Subject Name

Subject I.D.

Operator Name, I.D.

AS IV Serial no: 094801  
Version no: 532B

TEST RECORD 00219

Temp	Date	Time	s/ 210L
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Air Blank:  
01/04/14 20:00 .000  
Calibration Check:  
29 01/04/14 20:00 .098

Subject Name

Subject I.D.

Operator Name, I.D.

AS IV Serial no: 094801  
Version no: 532B

TEST RECORD 00220

Temp	Date	Time	s/ 210L
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Air Blank:  
01/04/14 20:01 .000  
Calibration Check:  
30 01/04/14 20:01 .097

Subject Name

Subject I.D.

AS IV Serial no: 094801  
Version no: 532B

TEST RECORD 00213

Temp	Date	Time	s/ 210L
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Air Blank:  
01/04/14 19:50 .000  
Calibration:  
27 01/04/14 19:50 .100

Subject Name

AS IV Serial no: 094801  
Version no: 532B

TEST RECORD 00204

Temp	Date	Time	s/ 210L
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VOID: RFI  
12 01/04/14 19:27

Subject Name

Subject I.D.

AS IV Serial no: 094801  
Version no: 532B

TEST RECORD 00203

Temp	Date	Time	s/ 210L
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Air Blank:  
01/04/14 19:24 .000  
Subject Test: Auto  
20 01/04/14 19:24 .000

Subject Name

Subject I.D.

Operator Name, I.D.

Location



## GUTH LABORATORIES, INC.

590 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 **13100** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **April 29, 2013**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1214%** (w/vol) ethyl alcohol. The expiration date for this lot number is **April 23, 2015** 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.*