



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

**RECEIVED**  
 By Carol Day at 12:43 pm, Jun 03, 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 108262	PRINTER SN 099.3586.831	DATE OF INSPECTION 06/03/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 600 E. Walnut, Columbia		TIME OF INSPECTION 8:18 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 Guth Labs LOT # 14110 EXP. DATE 05/01/2016
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2761 SIMULATOR EXP DATE 01/07/2015
- 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 ➡ .104	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	2	(0-.04)	0	(.05-.09)	1	(.10-.14)	2	(.15-.19)	1	(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 	PRINT NAME Nathan Turner
TYPE II PERMIT NUMBER/EXPIRATION DATE 220411 12/20/2014	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



## GUTH LABORATORIES, INC.

690 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 **14110** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 5, 2014**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1206%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 1, 2016** 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: 108262  
Version no: 532B

TEST RECORD 00037

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

Air Blank:  
06/03/14 08:18 .000  
Calibration Check:  
24 06/03/14 08:18 .103

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD

AS IV Serial no: 108262  
Version no: 532B

TEST RECORD 00038

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

Air Blank:  
06/03/14 08:20 .000  
Calibration Check:  
24 06/03/14 08:20 .104

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD

AS IV Serial no: 108262  
Version no: 532B

TEST RECORD 00040

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

VOID: RFI  
12 06/03/14 08:22

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD

AS IV Serial no: 108262  
Version no: 532B

TEST RECORD 00039

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

Air Blank:  
06/03/14 08:21 .000  
Calibration Check:  
25 06/03/14 08:21 .104

Subject Name

Test

Subject I.D.

Operator Name, I.D.

Turner 1985

Location

CPD