



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

**RECEIVED** REPORT #7  
 By Carol Day at 8:15 am, Feb 04, 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 097419	PRINTER SN 093.3580.861	DATE OF INSPECTION 02/03/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 301 S Main Palmyra		TIME OF INSPECTION 9:20 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 Laboratories                      LOT # 13010                      EXP. DATE 01/09/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0                      SIMULATOR SN DR5308                      SIMULATOR EXP DATE 07/10/2014

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 ➡ .102	TEST 2 ➡ .102	TEST 3 ➡ .102
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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>Ronald C. Peer, Jr.</i>	PRINT NAME Ronald C. Peer, Jr. #501
TYPE II PERMIT NUMBER/EXPIRATION DATE 220183/08-03-2014	TELEPHONE NUMBER (573) 769-5540

**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: 097419  
Version no: 004C

TEST RECORD 00599

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

Air Blank:  
02/03/14 09:20 .000  
Calibration Check:  
21 02/03/14 09:20 .102

Subject Name

CALIBRATION CHECK

Subject I.D.

Operator Name, I.D.

Ronald Chaf 501

Location

PAUMYRA PD

AS IV Serial no: 097419  
Version no: 004C

TEST RECORD 00590

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

Air Blank:  
02/03/14 09:21 .000  
Calibration Check:  
21 02/03/14 09:21 .102

Subject Name

CALIBRATION CHECK

Subject I.D.

Operator Name, I.D.

Ronald Chaf 501

Location

PAUMYRA PD

AS IV Serial no: 097419  
Version no: 004C

TEST RECORD 00591

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

Air Blank:  
02/03/14 09:23 .000  
Calibration Check:  
22 02/03/14 09:23 .102

Subject Name

CALIBRATION CHECK

Subject I.D.

Operator Name, I.D.

Ronald Chaf 501

Location

PAUMYRA PD

AS IV Serial no: 097419  
Version no: 004C

TEST RECORD 00592

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

Void: RFI  
12 02/03/14 09:24

Subject Name

RFI TEST

Subject I.D.

Operator Name, I.D.

Ronald Chaf 501

Location

PAUMYRA PD



**GUTH LABORATORIES, INC.**  
10000 W. 10th St., Denver, Colorado 80202

### CERTIFICATE OF ANALYSIS

#### Certified Alcohol Reference Solution for Simulators

Random Samples of Lot Number 10009 of Alcohol Reference Solution for Simulators were analyzed by gas chromatography on January 14, 2003, using a Public Health Gas Chromatograph Analytograph XL 300C SIMULATOR, and found to contain 0.0200% (w/v) *n*-propyl alcohol. The expiration date for this lot number is January 9, 2005 at 11:59 PM.

When used in a calibrated simulator, operating at 24°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.090 g/210L +/- 3%.

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

Ted L. Paulley, President  
GUTH LABORATORIES, INC.

#### **NIST Traceability:**

Testing was conducted using Certified Reference Standard lot number 8700021-08 whose value was traceable to NIST. All solutions are calibrated annually by an outside agency using NIST traceable weights. Calibration verifications to date have utilized NIST traceable weights.

State of Missouri  
DEPARTMENT OF HEALTH

2

PERMIT  
TYPE II

2

RONALD C FYER JR

is hereby authorized to license and supervise operators, train instructors, inspect, maintain, perform field tests, and operate the following device(s):

ALCO-SERVOUR IV VAPORIZER

for the manufacture of the alcoholic content of blood from a sample of exhaled (breathed) air, issued under the provisions of sections 577.080 through 577.100, RSMo 1992.

Exp. 08/03/2012

*W. S. S.*

Issue 220183

Missouri State Laboratory

Expire 08/03/2014

*August T. Dwyer*

14200-0001 p.04

Official Representative (RSMo)

1-2-1-0004