



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

**RECEIVED**  
 By Carol Day at 11:50 am, Feb 05, 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 102464	PRINTER SN 08C.3527.166	DATE OF INSPECTION 02/03/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 1 Paul Parks Dr. St. Clair		TIME OF INSPECTION 9:02 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 # 13100 EXP. DATE 04/23/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN SD2740 SIMULATOR EXP DATE 12/11/2014

- 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 $\bullet$ .100	TEST 2 $\bullet$ .101	TEST 3 $\bullet$ .101
-----------------------	-----------------------	-----------------------

- 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)	2	(.15-.19)	0	(OVER .19)	1
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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).

Temperature of Alco-Senor IV was 23 Degrees Celsius. Instrument within specifications of the Missouri Department of Health.

**INSPECTING OFFICER**

SIGNATURE <i>John Sikes</i>	PRINT NAME John Sikes
TYPE II PERMIT NUMBER/EXPIRATION DATE 220433/12/27/2014	TELEPHONE NUMBER (636) 629-1313

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.

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°C +/- .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.

Test 3

AS IV Serial no: 102464  
Version no: 004C

TEST RECORD 00659

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

Air Blank: 02/03/14 09:28 .000

Calibration Check: 24 02/03/14 09:28 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test 2

AS IV Serial no: 102464  
Version no: 004C

TEST RECORD 00658

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

Air Blank: 02/03/14 09:26 .000

Calibration Check: 24 02/03/14 09:26 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test 1

AS IV Serial no: 102464  
Version no: 004C

TEST RECORD - REPRINT

TEST RECORD 00657 <sup>s/</sup>

Temp Date Time 210L

Air Blank: 02/03/14 09:24 .000

Calibration Check: 23 02/03/14 09:24 .100

Subject Name

Subject I.D.

Operator Name, I.D.

Location

RFI

AS IV Serial no: 102464  
Version no: 004C

TEST RECORD 00660

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

Void: RFI  
12 02/03/14 09:29

Subject Name

Subject I.D.

Operator Name, I.D.

Location

State of Missouri  
DEPARTMENT OF HEALTH



P E R M I T  
TYPE II



JOHN R SIKES

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field repairs, and operate the following breath analyzer(s):

**ALCO-SENSOR IV W/PRINTER**

for the determination of the alcoholic content of blood from a sample of expired (alveolar) air. Issued under the provisions of sections 577.020 through 577.041, RSMo 1986.

Date 12/27/2012

Number 220433

Expires 12/27/2014

MO 580-0771 (7-88)

Director of State Public Health Laboratory

ACTING DIRECTOR

Director, Department of Health

Lab. 4 (R7-88)