



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

**RECEIVED**  
 By Carol Day at 8:21 am, Feb 03, 2015

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 02/02/2015
LOCATION OF INSTRUMENT (STREET AND CITY) 1 Paul Parks Dr. St. Clair		TIME OF INSPECTION 8:45 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                      LOT # 14200                      EXP. DATE 08/05/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34                      SIMULATOR SN SD2740                      SIMULATOR EXP DATE 05/13/2015

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  .100	TEST 2  .099	TEST 3  .099
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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)	1	(.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).

Temperature of Alco-Senor IV was 23 Degrees Celsius. Instrument calibrated due to high readings. Instrument is within specifications of the Missouri Department of Health.

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME John Sikes
TYPE II PERMIT NUMBER/EXPIRATION DATE 240251/05/19/2016	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 14200 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on August 6, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1213% (w/vol) ethyl alcohol. The expiration date for this lot number is August 5, 2016 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: 0040

TEST RECORD 00764

Temp Date Time 210L %

Air Blank: 02/02/15 21:05 .000  
Calibration Check: 25 02/02/15 21:05 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test 2

AS IV Serial no: 102464  
Version no: 0040

TEST RECORD 00763

Temp Date Time 210L %

Air Blank: 02/02/15 21:03 .000  
Calibration Check: 24 02/02/15 21:03 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location

Test 1

AS IV Serial no: 102464  
Version no: 0040

TEST RECORD 00762

Temp Date Time 210L %

Air Blank: 02/02/15 21:01 .000  
Calibration Check: 23 02/02/15 21:01 .100

Subject Name

Subject I.D.

Operator Name, I.D.

Location

RFI

AS IV Serial no: 102464  
Version no: 0040

TEST RECORD 00765

Temp Date Time 210L %

Void: RFI  
12 02/02/15 21:06

Subject Name

Subject I.D.

Operator Name, I.D.

Location



STATE OF MISSOURI  
 DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 BREATH ALCOHOL PROGRAM

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**PERMIT**  
**TYPE II**  
**JOHN R SIKES**

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

**ALCO-SENSOR IV WITH PRINTER, INTOX EC/IR II**

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 5/19/2014

NUMBER 240251

EXPIRES 5/19/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)

STATE OF MISSOURI  
 DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 BREATH ALCOHOL PROGRAM

**INSTRUMENT OPERATOR CARD**

*The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.*

Operator SIKES, JOHN  
 Permit No 240251  
 Date Issued 5/19/2014 Date Expires 5/19/2016