



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

RECEIVED 8/5/14 CD <sup>REPORT #7</sup>

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and **REVIEWED** instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.  
 By Carol Day at 12:54 pm, Aug 27, 2014

ALCO SENSOR IV SN 035714	PRINTER SN 092.3576.249	DATE OF INSPECTION 07/31/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 203 Veteran's Memorial Parkway Wright City, MO 63390		TIME OF INSPECTION 6:00 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 # 14110 EXP. DATE 05/01/2016
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD 2745 SIMULATOR EXP DATE 04/22/2015

- 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 • .102	TEST 2 • .101	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	2	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	1
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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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Robby Ryan
TYPE II PERMIT NUMBER/EXPIRATION DATE 240216	TELEPHONE NUMBER (636) 745-3541

**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: 005714  
Version no: 002B

TEST RECORD 00198

Temp Date Time 210L

Mr Blank: 07/31/14 18:02 .000  
Calibration Check: 22 07/31/14 18:02 .102

Subject Name

Subject I.D.

RYAN 122

Operator Name, I.D.

Location

AS IV Serial no: 005714  
Version no: 002B

TEST RECORD 00199

Temp Date Time 210L

Mr Blank: 07/31/14 18:04 .000  
Calibration Check: 20 07/31/14 18:04 .101

Subject Name

Subject I.D.

RYAN 122

Operator Name, I.D.

Location

AS IV Serial no: 005714  
Version no: 002B

TEST RECORD 00190

Temp Date Time 210L

Mr Blank: 07/31/14 18:06 .000  
Calibration Check: 24 07/31/14 18:06 .102

Subject Name

Subject I.D.

RYAN 122

Operator Name, I.D.

Location

AS IV Serial no: 005714  
Version no: 002B

TEST RECORD 00191

Temp Date Time 210L

VOID: RFI  
12 07/31/14 18:07

Subject Name

Subject I.D.

RYAN 122

Operator Name, I.D.

Location



**GUTH LABORATORIES, INC.**

580 NORTH 87th 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°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.*



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

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**PERMIT  
 TYPE II  
 ROBBY RYAN**

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**

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 4/30/2014

NUMBER 240216

EXPIRES 4/30/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

MO 590-0771 (6-10)

**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 RYAN, ROBBY  
 Permit No 240216  
 Date Issued 4/30/2014 Date Expires 4/30/2016