



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

**RECEIVED**  
 By Carol Day at 9:58 am, Aug 28, 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 <b>102939</b>	PRINTER SN <b>096.3580.522</b>	DATE OF INSPECTION <b>08/15/2014</b>
LOCATION OF INSTRUMENT (STREET AND CITY) <b>10405 MO. 180 ST ANN</b>		TIME OF INSPECTION <b>1515 hrs.</b>

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 LAB** LOT # **13280** EXP. DATE **10/16/2015**
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) **34.0c** SIMULATOR SN **DR 2856** SIMULATOR EXP DATE **07/15/2015**

- 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 <b>.100</b>	TEST 2 <b>.100</b>	TEST 3 <b>.100</b>
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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 <b>0</b>	(0-.04) <b>0</b>	(.05-.09) <b>0</b>	(.10-.14) <b>0</b>	(.15-.19) <b>3</b>	(OVER .19) <b>1</b>
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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).

**INSTRUMENT TESTED WITHIN D.O.H. SPECIFICATIONS**

<b>INSPECTING OFFICER</b>	
SIGNATURE <b>William Goodrich</b>	PRINT NAME <b>William Goodrich</b>
TYPE II PERMIT NUMBER/EXPIRATION DATE <b>240245 05/19/2016</b>	TELEPHONE NUMBER <b>(314) 427-8000</b>

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.**

880 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-664-6470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13280 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on October 18, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1217% (w/vol) ethyl alcohol. The expiration date for this lot number is October 16, 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.*

AS IV Serial no: 102909  
Version no: 0140

TEST RECORD 00659

Temp Date Time WTAC

Air Blank:  
09/15/14 15:08 .000  
Calibration:  
23 09/15/14 15:06 .100

Subject Name

TEST

Subject I.D.

Operator Name, I.D.

Goodrich 240245

Location

10405 MO-180

ST ANN

AS IV Serial no: 102909  
Version no: 0140

TEST RECORD 00660

Temp Date Time WTAC

Void: RFI  
12 09/15/14 15:42

Subject Name

TEST

Subject I.D.

Operator Name, I.D.

Goodrich 240245

Location

10405 MO-180

ST ANN

AS IV Serial no: 102909  
Version no: 0140

TEST RECORD 00661

Temp Date Time WTAC

Air Blank:  
09/15/14 15:08 .000  
Calibration:  
24 09/15/14 15:06 .100

Subject Name

TEST

Subject I.D.

Operator Name, I.D.

Goodrich 240245

Location

10405 MO-180

ST ANN

AS IV Serial no: 102909  
Version no: 0140

TEST RECORD 00662

Temp Date Time WTAC

Air Blank:  
09/15/14 15:04 .000  
Calibration:  
21 09/15/14 15:04 .100

Subject Name

TEST

Subject I.D.

Operator Name, I.D.

Goodrich 240245

Location

10405 MO-180

ST ANN



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

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**PERMIT  
 TYPE II**

**WILLIAM M GOODRICH**

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 240245

EXPIRES 5/19/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES



## Simulator Calibration Report

This calibration report is to certify the alcohol reference simulator listed below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance with the standards set by the Missouri Department of Health and Senior Services Rules and Regulations:  
19 CSR 25-30.051 (4).



Technician Printed Name: Donald D. DeBoard

Technician Signature: Donald D. DeBoard

Date: 07/15/2014

Contact: Missouri Safety Center

Breath-Alcohol Instrument Training Program

660-543-4834