



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 3:40 pm, Nov 10, 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 <i>102461</i>	PRINTER SN <i>096.3580.922</i>	DATE OF INSPECTION <i>11/04/14</i>
LOCATION OF INSTRUMENT (STREET AND CITY) <i>106 Progress Drive Sullivan MO 63080</i>		TIME OF INSPECTION <i>11:45</i>

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) *23°C*

PRINTER WORKING PROPERLY

TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER *Guth Labs* LOT # *14200* EXP. DATE *08/05/16*

SIMULATOR TEMPERATURE (34°C ± 0.2°C) *34°C* SIMULATOR SN *503322* SIMULATOR EXP DATE *01/28/15*

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 <i>.097%</i>	TEST 2 <i>.098%</i>	TEST 3 <i>.096%</i>
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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 <i>0</i>	(0-.04) <i>0</i>	(.05-.09) <i>1</i>	(.10-.14) <i>3</i>	(.15-.19) <i>0</i>	(OVER .19) <i>1</i>
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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 is operating within D.O.H. specifications.*

**INSPECTING OFFICER**

SIGNATURE *Gregory A. West*

PRINT NAME *Gregory A. West*

PERMIT NUMBER/EXPIRATION DATE  
*230109 06/04/15*

TELEPHONE NUMBER  
*573-468-8001*

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.*

AS IV Serial no: 182461  
Version no: 532B

TEST RECORD 00121

Temp Date Time 210L s/  
VOID: NFI  
12 11/04/14 11:55

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 182461  
Version no: 532B

TEST RECORD 00120

Temp Date Time 210L s/  
Air Blank:  
11/04/14 11:53 .060  
Calibration Check:  
23 11/04/14 11:53 .096

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 182461  
Version no: 532B

TEST RECORD 00119

Temp Date Time 210L s/  
Air Blank:  
11/04/14 11:49 .080  
Calibration Check:  
23 11/04/14 11:49 .098

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 182461  
Version no: 532B

TEST RECORD 00118

Temp Date Time 210L s/  
Air Blank:  
11/04/14 11:47 .080  
Calibration Check:  
23 11/04/14 11:47 .097

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**

**GREGORY A WEST**

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 W/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 06/04/2013

NUMBER 230109

EXPIRES 06/04/2015

*W. A. West*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Dad Vestberg*  
Acting Director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES