



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

**RECEIVED**  
 By Carol Day at 11:05 am, Mar 31, 2015

REPORT #

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>030794</b>	PRINTER SN <b>84,9324,031</b>	DATE OF INSPECTION <b>3/30/2015</b>
LOCATION OF INSTRUMENT (STREET AND CITY) <b>1781 Zumbach St. Charles, Mo.</b>		TIME OF INSPECTION <b>1013 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) **OK**
- TEMPERATURE OF ALCO SENSOR (10°C - 40°C) **OK**
- PRINTER WORKING PROPERLY **OK**
- TIME AND DATE DISPLAYING PROPERLY **OK**

**BREATH ALCOHOL ACCURACY STANDARDS**

- SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER **Cuth Laboratories** LOT # **14030** EXP. DATE **1/30/2016**

SIMULATOR TEMPERATURE (34°C ± 0.2°C) **34.0°C** SIMULATOR SN **SD2248** SIMULATOR EXP DATE **1/15/2016**

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
- 0.070% STANDARD - MUST READ BETWEEN 0.068% and 0.072% INCLUSIVE

TEST 1 = **.099** TEST 2 = **.098** TEST 3 = **.099**

RFI DETECTOR OPERATING **OK**

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT: (DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS **1** | (0-.04) **3** | (.05-.09) **2** | (.10-.14) **3** | (.15-.19) **6** | (OVER .19) **6**

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 <b>PO Daniel Allen 196</b>	PRINT NAME <b>PO Daniel Allen 196</b>
TYPE # (ERR#) NUMBER EXPIRATION DATE <b>250018 1/20/2017</b>	TELEPHONE NUMBER <b>(636) 999-3300</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.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-664-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 14030 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on January 22, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1215% (w/vol) ethyl alcohol. The expiration date for this lot number is January 20, 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: 030794  
Version no: 004C

TEST RECORD 01074

Temp Date Time 210L  
s/

Air Blank:  
03/30/15 10:30 .000  
Calibration Check:  
23 03/30/15 10:30 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

1781 Zumbachl

St. Charles, Mo.

AS IV Serial no: 030794  
Version no: 004C

TEST RECORD 01072

Temp Date Time 210L  
s/

Air Blank:  
03/30/15 10:26 .000  
Calibration Check:  
22 03/30/15 10:26 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

1781 Zumbachl

St. Charles, Mo.

AS IV Serial no: 030794  
Version no: 004C

TEST RECORD 01075

Temp Date Time 210L  
s/

Void: RFI  
12 03/30/15 10:31

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

1781 Zumbachl

St. Charles, Mo.

AS IV Serial no: 030794  
Version no: 004C

TEST RECORD 01073

Temp Date Time 210L  
s/

Air Blank:  
03/30/15 10:28 .000  
Calibration Check:  
23 03/30/15 10:28 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

1781 Zumbachl

St. Charles, Mo.