



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

**RECEIVED**  
 By Carol Day at 3:05 pm, Mar 19, 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 097403	PRINTER SN 096.3580.877	DATE OF INSPECTION 03/15/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 317 BROADWAY, ELSBERRY		TIME OF INSPECTION 7:32 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 LABS LOT # 12170 EXP. DATE 09/05/2014

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2287 SIMULATOR EXP DATE 02/10/2015

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 ➔ .099

TEST 2 ➔ .099

TEST 3 ➔ .099

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)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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 BACK INSERVICE. SIMULATOR BEING RECALIBRATED.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME ROBERT BODLEY
TYPE II PERMIT NUMBER/EXPIRATION DATE 220076 03/23/2014	TELEPHONE NUMBER (573) 898-5456

**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 IU Serial not 697463  
Version not 694C

TEST RECORD 69033

Temp Date Time 215L

Air Blank  
03/15/14 19:32 .000  
Calibration Check  
73 03/15/14 19:32 .099

Subject Name

Subject I, II

Operator Name I, II



Location

AS IU Serial not 697463  
Version not 694C

TEST RECORD 69031

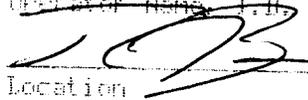
Temp Date Time 215L

Air Blank  
03/15/14 19:32 .000  
Calibration Check  
73 03/15/14 19:32 .099

Subject Name

Subject I, II

Operator Name I, II



Location

AS IU Serial not 697463  
Version not 694C

TEST RECORD 69034

Temp Date Time 215L

Void: RTJ  
12 03/15/14 19:30

Subject Name

Subject I, II

Operator Name I, II



Location

AS IU Serial not 697463  
Version not 694C

TEST RECORD 69032

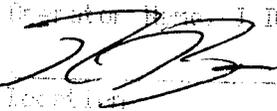
Temp Date Time 215L

Air Blank  
03/15/14 19:34 .000  
Calibration Check  
73 03/15/14 19:34 .099

Subject Name

Subject I, II

Operator Name I, II



Location



**GUTH LABORATORIES, INC.**

890 NORTH 87th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-664-6470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 12170 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **September 11, 2012**, 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 **September 5, 2014** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  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



P E R M I T  
TYPE II



ROBERT BODLEY

---

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field 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 (alveolar) air. Issued under the provisions of sections 577.020 through 577.041, RSMo 1986.

Date 03/23/2012

Number 220076

Expires 03/23/2014

Director of State Public Health Laboratory

Director, Department of Health