



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

RECEIVED 2/19/14-CD  
 REPORT #7

**REVIEWED**  
 By Carol Day at 9:40 am, Mar 14, 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 105451	PRINTER SN 096.3580.925	DATE OF INSPECTION 02/14/2014
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LOCATION OF INSTRUMENT (STREET AND CITY) 301 S. Main Street, Excelsior Springs	TIME OF INSPECTION 3:53 pm
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**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, Inc. LOT # 13210 EXP. DATE 07/29/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN DR5383 SIMULATOR EXP DATE 06/17/2014

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  $\Rightarrow$  .102

TEST 2  $\Rightarrow$  .102

TEST 3  $\Rightarrow$  .102

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)	1	(.15-.19)	0	(OVER .19)	0
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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  
 Sgt. Larry Tarrant

TYPE / PERMIT NUMBER / EXPIRATION DATE  
 220270 / 09-13-2014

TELEPHONE NUMBER  
 (816) 629-7105

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.**

690 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-694-5470

**CERTIFICATE OF ANALYSIS**

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13210 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on July 31, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1216% (w/vol) ethyl alcohol. The expiration date for this lot number is July 29, 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 10 Serial no: 100400  
Version no: 0000

TEST RECORD 00250

Year: <sup>02</sup> Date: Time: 2100

Air Blanks  
02/14/14 10:00 .000  
Calibration Check  
26 02/14/14 10:00 .100

Subject Name

Monthly Maintenance

Subject I.D.

N/A

Operator Name: J.D.

Tarrant / 912

Location

301 S. MAIN ST.

AS 10 Serial no: 100400  
Version no: 0000

TEST RECORD 00250

Year: <sup>02</sup> Date: Time: 2100

Air Blanks  
02/14/14 10:00 .000  
Calibration Check  
26 02/14/14 10:00 .100

Subject Name

Monthly Maintenance

Subject I.D.

N/A

Operator Name: J.D.

Tarrant / 912

Location

301 S. MAIN ST.

AS 10 Serial no: 100400  
Version no: 0000

TEST RECORD 00250

Year: <sup>02</sup> Date: Time: 2100

Air Blanks  
02/14/14 10:00 .000  
Calibration Check  
26 02/14/14 10:00 .100

Subject Name

Monthly Maintenance

Subject I.D.

N/A

Operator Name: J.D.

Tarrant / 912

Location

301 S. MAIN ST.

AS 10 Serial no: 100400  
Version no: 0000

TEST RECORD 00250

Year: <sup>02</sup> Date: Time: 2100

Air Blanks  
02/14/14 10:00 .000

Subject Name

Monthly Maintenance

Subject I.D.

N/A

Operator Name: J.D.

Tarrant / 912

Location

301 S. MAIN ST.

State of Missouri  
DEPARTMENT OF HEALTH



P E R M I T  
T Y P E I I



LARRY L TARRANT II

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 09/13/2012

Number 220270

Expires 09/13/2014

Director of State Public Health Laboratory

Director, Department of Health