



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

RECEIVED 1/28/14-CD  
REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and Send copy to Department of Health and Senior Services; retain original in department file.

**REVIEWED**  
Instrument is repaired  
By Carol Day at 12:25 pm, Feb 04, 2014

ALCO SENSOR IV SN 046408      PRINTER SN 08C.3556.310      DATE OF INSPECTION 01/21/2014

LOCATION OF INSTRUMENT (STREET AND CITY) 1111 N. Glenstone Springfield      TIME OF INSPECTION 6:00 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 # 13010      EXP. DATE 01/09/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0      SIMULATOR SN SD2587      SIMULATOR EXP DATE 06/09/2014

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 → .103

TEST 2 → .102

TEST 3 → .101

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).

**INSPECTING OFFICER**

SIGNATURE *M. Hartman*

PRINT NAME  
Mark Hartman

TYPE II PERMIT NUMBER/EXPIRATION DATE  
220298 09/25/2014

TELEPHONE NUMBER  
(417) 865-2815

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.**

600 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 13010 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on January 14, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1218% (w/vol) ethyl alcohol. The expiration date for this lot number is January 9, 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: 046408  
Version no: 004C

TEST RECORD 00529

Temp Date Time 210L  
s/

Air Blank: 01/21/14 18:00 .000  
Calibration Check: 19 01/21/14 18:00 .100

Subject Name

Subject I.D.

Operator Name, I.D.

Location  
*M. Larson #16*

AS IV Serial no: 046408  
Version no: 004C

TEST RECORD 00530

Temp Date Time 210L  
s/

Air Blank: 01/21/14 18:01 .000  
Calibration Check: 20 01/21/14 18:01 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location  
*M. Larson #16*

AS IV Serial no: 046408  
Version no: 004C

TEST RECORD 00531

Temp Date Time 210L  
s/

Air Blank: 01/21/14 18:03 .000  
Calibration Check: 21 01/21/14 18:03 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location  
*M. Larson #16*

000

AS IV Serial no: 046408  
Version no: 004C

TEST RECORD 00532

Temp Date Time 210L  
s/

Void: RFI  
12 01/21/14 18:04

Subject Name

Subject I.D.

Operator Name, I.D.

Location  
*M. Larson #16*

State of Missouri  
DEPARTMENT OF HEALTH



P E R M I T  
TYPE II



MARK HARTMAN

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 09/25/2012

Number 220298

Expires 09/25/2014

Director of State Public Health Laboratory

Director, Department of Health