



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

RECEIVED 6/19/14-CD  
REPORT #7

REVIEWED  
By Carol Day at 2:21 pm, Jun 26, 2014

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.

ALCO SENSOR IV SN 102460 PRINTER SN 096,3580.879 DATE OF INSPECTION 08/06/2014

LOCATION OF INSTRUMENT (STREET AND CITY) 123 East Santa Fe Marceline TIME OF INSPECTION 2:04 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 SIMULATOR SN SD2276 SIMULATOR EXP DATE 03/12/2015

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 → .097

TEST 2 → .096

TEST 3 → .098

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

PRINT NAME

Captain Robert Donelson

TYPE II PERMIT NUMBER/EXPIRATION DATE

220364 10/16/2014

TELEPHONE NUMBER

(660) 376-3556

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 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°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 FNI22211-02 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: 102460  
Version no: 532B

TEST RECORD 00029

Temp Date Time 210L

Air Blank:

06/06/14 14:46 .000

Calibration Check:

23 06/06/14 14:46 .096

Subject Name

Subject I.D.

Operator Name: I.D.

Location

123 E. SANTA FE

AS IV Serial no: 102460  
Version no: 532B

TEST RECORD 00031

Temp Date Time 210L

VOID: RFI

12 06/06/14 14:48

Subject Name

Subject I.D.

Operator Name: I.D.

Location

123 E. SANTA FE

AS IV Serial no: 102460  
Version no: 532B

TEST RECORD 00030

Temp Date Time 210L

Air Blank:

06/06/14 14:47 .000

Calibration Check:

24 06/06/14 14:47 .098

Subject Name

Subject I.D.

Operator Name: I.D.

Location

123 E. SANTA FE

AS IV Serial no: 102460  
Version no: 532B

TEST RECORD 00028

Temp Date Time 210L

Air Blank:

06/06/14 14:44 .000

Calibration Check:

21 06/06/14 14:44 .097

Subject Name

Subject I.D.

Operator Name: I.D.

Location

123 E. SANTA FE

State of Missouri  
DEPARTMENT OF HEALTH



P E R M I T  
TYPE II



ROBERT DONELSON

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 10/16/2012

Number 220364

Expires 10/16/2014

Director of State Public Health Laboratory

Director, Department of Health



# Simulator Calibration Report

This calibration report is to certify the alcohol reference simulator listed below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance with the standards set by the Missouri Department of Health and Senior Services Rules and Regulations:  
19CSR 25-30.051 (4).

Checked: 03/12/2014 Expires: 03/12/2015  
 MSC Tech: DDD  
 Temp: 34.01 Digital Therm. SN: 094948  
 Agency: Marceline Police Department  
 SD2276



Technician Printed Name: Donald D. DeBoard

Technician Signature: Donald D. DeBoard

Date: 3-12-2014

Contact: Missouri Safety Center  
 Breath Alcohol Instrument Training Program  
 660-543-4834