



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

REPORT #7

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

**RECEIVED**  
 whenever instrument is repaired.  
 By Carol Day at 8:43 am, Aug 25, 2015

ALCO SENSOR IV SN 102461	PRINTER SN 096.3580.922	DATE OF INSPECTION 08/16/2015
LOCATION OF INSTRUMENT (STREET AND CITY) 106 Progress Sullivan, Mo. 63080		TIME OF INSPECTION 0800

**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 LOT # 14220 EXP. DATE 09/24/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 C SIMULATOR SN SD3322 SIMULATOR EXP DATE 02/23/2016

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
- 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 .096% TEST 2 .099% 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) 1 (.10-.14) 1 (.15-.19) 1 (OVER .19) 1

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 is operating within Department of Health specifications.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Ralph Finn
TYPE II PERMIT NUMBER/EXPIRATION DATE 240273 06/13/2016	TELEPHONE NUMBER (573) 468-8001

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 no: 102461  
Version no: 532E

TEST RECORD 00200  
Temp Date Time 210L S/  
Air Blank: 08/16/15 08:03 , 000  
Calibration Check: 22 08/16/15 08:03 , 099  
Subject Name  
Subject I.D.

Operator Name, I.D.

Location

AS IU Serial no: 102461  
Version no: 532D

TEST RECORD 00202  
Temp Date Time 210L S/  
Air Blank: 08/16/15 08:01 , 000  
Calibration Check: 22 08/16/15 08:01 , 095  
Subject Name  
Subject I.D.

Operator Name, I.D.

Location

AS IU Serial no: 102461  
Version no: 532R

TEST RECORD 00204  
Temp Date Time 210L S/  
Air Blank: 08/16/15 08:04 , 000  
Calibration Check: 23 08/16/15 08:04 , 098  
Subject Name  
Subject I.D.

Operator Name, I.D.

Location

AS IU Serial no: 102461  
Version no: 532B

TEST RECORD 00205  
Temp Date Time 210L S/  
VOID: F01  
12 08/16/15 08:05  
Subject Name  
Subject I.D.

Operator Name, I.D.

Location



**GUTH LABORATORIES, INC.**

690 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 14220 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 25, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1209% (w/vol) ethyl alcohol. The expiration date for this lot number is September 24, 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 FN08051301 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 AND SENIOR SERVICES  
 BREATH ALCOHOL PROGRAM



**PERMIT**  
**TYPE II**  
**RALPH E FINN JR**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**ALCO-SENSOR IV WITH PRINTER**

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 6/13/2014

NUMBER 240273

EXPIRES 6/13/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

STATE OF MISSOURI  
 DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 BREATH ALCOHOL PROGRAM

**INSTRUMENT OPERATOR CARD**

*The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.*

Operator FINN JR, RALPH  
 Permit No 240273  
 Date Issued 6/13/2014 Date Expires 6/13/2016