



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

**RECEIVED**  
 By Carol Day at 2:47 pm, Jan 24, 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 087969	PRINTER SN 08C.3527.186	DATE OF INSPECTION 01/24/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 107 W. MAIN STREET, SMITHVILLE		TIME OF INSPECTION 2:32 am

**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 # 13100 EXP. DATE 04/23/2015
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN DR5390 SIMULATOR EXP DATE 07/01/2014

- 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  .099	TEST 2  .100	TEST 3  .100
--------------	--------------	--------------

- 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
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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).

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME SGT. RALPH WHEELER
TYPE II PERMIT NUMBER/EXPIRATION DATE 230152 08/01/2015	TELEPHONE NUMBER (816) 532-0500

**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 IV Serial no: 087969  
Version no: 004C

TEST RECORD 00936

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
01/24/14 02:32 .000  
Calibration Check:  
23 01/24/14 02:32 .099

Subject Name  
Monthly Maintenance  
Subject I.D.

Operator Name, I.D. 230152  
Sgt. Ralph Wheeler 252  
Location  
Smithville P.O.

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 00937

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
01/24/14 02:34 .000  
Calibration Check:  
24 01/24/14 02:34 .100

Subject Name  
Monthly Maintenance  
Subject I.D.

Operator Name, I.D. 230152  
Sgt. Ralph Wheeler 252  
Location  
Smithville P.O.

AS IV Serial no: 087969  
Version no: 004C

TEST RECORD 00938

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
01/24/14 02:36 .000  
Calibration Check:  
24 01/24/14 02:36 .100

Subject Name  
Monthly Maintenance  
Subject I.D.

Operator Name, I.D. 230152  
Sgt. Ralph Wheeler 252  
Location  
Smithville P.O.

2

AS IV Serial no: 087969  
Version no: 004C  
TEST RECORD 00939  
Temp Date Time <sup>s/</sup> 210L  
Void: RFI  
12 01/24/14 02:37  
Subject Name  
Monthly Maintenance  
Subject I.D.  
R-1 TEST  
Operator Name, I.D. 230152  
Sgt. Ralph Wheeler 252  
Location  
Smithville P.O.

4



**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 13100 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on April 29, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1214% (w/vol) ethyl alcohol. The expiration date for this lot number is April 23, 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.*



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

2

**PERMIT**  
**TYPE II**  
**RALPH WHEELER**

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 8/1/2013

NUMBER 230152

EXPIRES 8/1/2015

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

**acting director**

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)

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 WHEELER, RALPH  
 Permit No 230152  
 Date Issued 8/1/2013 Date Expires 8/1/2015