



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

**RECEIVED** REPORT #7  
 By Carol Day at 8:32 am, Dec 10, 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 102465	PRINTER SN 088.3473.063	DATE OF INSPECTION 12/09/2014
LOCATION OF INSTRUMENT (STREET AND CITY) 350 East High Street, Jefferson City		TIME OF INSPECTION 1:53 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 Laboratories LOT # 14200 EXP. DATE 08/05/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD3137 SIMULATOR EXP DATE 07/15/2015

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 → .103	TEST 2 → .102	TEST 3 → .101
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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)	1	(.05-.09)	0	(.10-.14)	0	(.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).

Instrument operates within established limits.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Shawn Gerstner
TYPE II PERMIT NUMBER/EXPIRATION DATE 230118 6/12/2015	TELEPHONE NUMBER (573) 634-9160

**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 **14200** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **August 6, 2014**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1213%** (w/vol) ethyl alcohol. The expiration date for this lot number is **August 5, 2016** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  3%**.

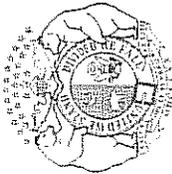
The alcohol and water used in this solution were free of test interfering substances.

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



**PERMIT**  
**TYPE II**

**SHAWN P GERSTNER**

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 W/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 06/12/2013  
 NUMBER 230118  
 EXPIRES 06/12/2015

*W. A. VandenBerg*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*David VandenBerg*  
 Acting Director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

AS IV Serial no: 102465  
Version no: 004C

TEST RECORD 00537

Temp Date Time 210L  
s/

Air Blank:  
12/09/14 15:01 .000  
Calibration Check:  
21 12/09/14 15:01 .103

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 102465  
Version no: 004C

TEST RECORD 00538

Temp Date Time 210L  
s/

Void: RFI  
12 12/09/14 15:03

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 102465  
Version no: 004C

TEST RECORD 00539

Temp Date Time 210L  
s/

Air Blank:  
12/09/14 15:05 .000  
Calibration Check:  
22 12/09/14 15:05 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 102465  
Version no: 004C

TEST RECORD 00540

Temp Date Time 210L  
s/

Air Blank:  
12/09/14 15:09 .000  
Calibration Check:  
23 12/09/14 15:09 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 102465  
Version no: 004C

TEST RECORD 00541

Temp Date Time 210L  
s/

Air Blank:  
12/09/14 15:10 .000  
Subject Test: Auto  
23 12/09/14 15:10 .000

Subject Name

Subject I.D.

Operator Name, I.D.

Location