



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 9:46 am, Dec 30, 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 108265	PRINTER SN 099.3586.806	DATE OF INSPECTION 12/26/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Elsberry Police Department		TIME OF INSPECTION 11:50 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 Lab LOT # 14110 EXP. DATE 05/01/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN SD2287 SIMULATOR EXP DATE 11/10/2015

- 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 = .099	TEST 2 = .098	TEST 3 = .099
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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	1	(0-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
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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).

None to Report.

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>Cpl. David Wait</i>	PRINT NAME Cpl. David Wait
TYPE II PERMIT NUMBER/EXPIRATION DATE 240416	TELEPHONE NUMBER (573) 898-5456

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Boonville, MO 64601



**GUTH LABORATORIES, INC.**

590 NORTH 87th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-6470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 14110 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on May 5, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1206% (w/vol) ethyl alcohol. The expiration date for this lot number is May 1, 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 Certified 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: 108265  
Version no: 532B

TEST RECORD 00073

Temp Date Time 210L

Air Blank:  
12/27/14 00:15 .000  
Subject Test: Man  
26 12/27/14 00:15 .099

Subject Name

Test 1

Subject I.D.

Cpl. Wait 208

Operator Name, I.D.

Elsberry PD

Location

AS IV Serial no: 108265  
Version no: 532B

TEST RECORD 00071

Temp Date Time 210L

Air Blank:  
12/27/14 00:11 .000  
Subject Test: Man  
25 12/27/14 00:11 .098

Subject Name

Test 2

Subject I.D.

Operator Name, I.D.

Cpl. Wait 208

Location

Elsberry PD

AS IV Serial no: 108265  
Version no: 532B

TEST RECORD 00067

Temp Date Time 210L

Air Blank:  
12/27/14 00:05 .000  
Calibration Check:  
24 12/27/14 00:05 .099

Subject Name

Test 3

Subject I.D.

Operator Name, I.D.

Cpl. Wait 208

Location

Elsberry PD

AS IV Serial no: 108265  
Version no: 532B

TEST RECORD 00062

Temp Date Time 210L

VOID: RFI  
12 12/26/14 23:46

Subject Name

RFI Test

Subject I.D.

Operator Name, I.D.

Cpl. Wait 208

Location

Elsberry PD

AS IV Serial no: 108265  
Version no: 532B

TEST RECORD 00066

Temp Date Time 210L

Air Blank:  
12/27/14 00:00 .000  
Calibration:  
23 12/27/14 00:00 .100

Subject Name

Cal. Test

Subject I.D.

Operator Name, I.D.

Cpl. Wait 208

Location

Elsberry PD