



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 9:49 am, Feb 06, 2015

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 097413	PRINTER SN 091.3580.067	DATE OF INSPECTION 01/31/2015
LOCATION OF INSTRUMENT (STREET AND CITY) 52 YOUNG DR CALVERTON PARK MO 63135		TIME OF INSPECTION 1908

**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 # 14030 EXP. DATE 01/20/2016

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN SD3327 SIMULATOR EXP DATE 01/21/2016

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 .104

TEST 2 .103

TEST 3 .102

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
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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).

GUTH LAN .100 EXP 01/20/2016 LOT NUMBER 14030

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Lowell Moon
TYPE II PERMIT NUMBER/EXPIRATION DATE 240234 05/12/2016	TELEPHONE NUMBER (314) 524-1212

**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.**

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 14030 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on January 22, 2014, 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 January 20, 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 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.*

RFI

AS IV Serial no: 097413  
Version no: 084C

TEST RECORD 08518

Temp	Date	Time	s/
12	01/31/15	14:28	

Void: RFI

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 097413  
Version no: 004C

TEST RECORD 00515

Temp Date Time 210L

Air Blank: 01/31/15 14:08 .000  
Calibration Check: 20 01/31/15 14:08 .104

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 097413  
Version no: 004C

TEST RECORD 00516

Temp Date Time 210L

Air Blank: 01/31/15 14:18 .000  
Calibration Check: 21 01/31/15 14:18 .103

Subject Name

Subject I.D.

Operator Name, I.D.

Location

AS IV Serial no: 097413  
Version no: 004C

TEST RECORD 00517

Temp Date Time 210L

Air Blank: 01/31/15 14:19 .000  
Calibration Check: 21 01/31/15 14:19 .102

Subject Name

Subject I.D.

Operator Name, I.D.

Location

3



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

2

PERMIT  
 TYPE II

LOWELL J MOORE

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 5/12/2014

NUMBER 240234

EXPIRES 5/12/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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 MOORE, LOWELL  
 Permit No 240234  
 Date Issued 5/12/2014 Date Expires 5/12/2016