



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 1:59 pm, Jul 13, 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 087973 PRINTER SN 087973 DATE OF INSPECTION 07-11-2015

LOCATION OF INSTRUMENT (STREET AND CITY) 5005 Oak Street Kansas City TIME OF INSPECTION 22:37

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) 21°C
- PRINTER WORKING PROPERLY
- TIME AND DATE DISPLAYING PROPERLY Pass

BREATH ALCOHOL ACCURACY STANDARDS

- SIMULATOR SOLUTION Bvth Labs  COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Bvth Labs LOT # 15050 EXP. DATE 03-09-2017
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN 502681 SIMULATOR EXP DATE 6-26-2016

- 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 1.00% TEST 2 .099% TEST 3 .099%

- RFI DETECTOR OPERATING Pass

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

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

INSPECTING OFFICER

SIGNATURE Jeff Cooper PRINT NAME Jeff Cooper

TYPE II PERMIT NUMBER/EXPIRATION DATE 240350 10-03-2016 TELEPHONE NUMBER 816 235-1515

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: 717-524-5470

**CERTIFICATE OF ANALYSIS**

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 15050 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on March 11, 2015, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1218% (w/vol) ethyl alcohol. The expiration date for this lot number is March 9, 2017 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 FNQ8051301 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.

no.

AS IV Serial no: 087973  
Version no: 532B

TEST RECORD 00134

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
07/11/15 22:47 .000  
Calibration Check:  
24 07/11/15 22:47 .100

Subject Name

Subject I.D.

Operator Name, I.D.

Location

no.

AS IV Serial no: 087973  
Version no: 532B

TEST RECORD 00135

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
07/11/15 22:48 .000  
Calibration Check:  
25 07/11/15 22:48 .099

Subject Name

Subject I.D.

Operator Name, I.D.

Location

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AS IV Serial no: 087973  
Version no: 532B

TEST RECORD 00136

Temp Date Time 210L

Air Blank  
07/11/15 22:50 .000  
Calibration Check  
25 07/11/15 22:50 .099

Subject Name

Subject I.D.

Operator Name: I.D.

Location

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AS IV Serial no: 087973  
Version no: 532B

TEST RECORD 00137

Temp Date Time 210L

VOID: RFI  
12 07/11/15 22:51

Subject Name

Subject I.D.

Operator Name: I.D.

Location



Missouri Department of Health and Senior Services  
P.O. Box 570, Jefferson City, MO 66102-0670 Phone: 573-751-6400 FAX: 573-751-8010  
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2468  
Gall Vasterling  
Director



Jeremiah W. (Jay) Nixon  
Governor

Missouri Department of Health and Senior Services Breath Alcohol Program

**SIMULATOR CALIBRATION REPORT**

This is to certify that the simulator listed below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance to the standards set by the Rules of Missouri Department of Health and Senior Services, 19 CSR 25-30.

**SIMULATOR INFORMATION**

Agency: University of Missouri – Kansas City Police Department  
Serial Number: SD2681  
Manufacturer: Guth  
Model Number: 10-4D

**CALIBRATION RESULTS**

<u>Reference Temperature</u>	<u>Simulator Temperature</u>
34.01	34.00

This calibration was performed with NIST-Traceable Thermometer SN: 094948

This simulator was tested by: RWW

This testing was performed: 06/26/2015

Signature of certifying DHSS Scientist:

Name of certifying DHSS Scientist: Brian M. Lutmer