



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

**RECEIVED**  
By Carol Day at 4:25 pm, Apr 23, 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 100291	PRINTER SN 093.3563.019	DATE OF INSPECTION 04/21/2014
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LOCATION OF INSTRUMENT (STREET AND CITY) 700 WEST MAIN, WILLOW SPRINGS	TIME OF INSPECTION 5:51 am
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**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) 25

PRINTER WORKING PROPERLY

TIME AND DATE DISPLAYING PROPERLY 04/21/14 05:51

**BREATH ALCOHOL ACCURACY STANDARDS**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER Guth Labs LOT # 13280 EXP. DATE 10/16/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0c SIMULATOR SN SD2239 SIMULATOR EXP DATE 06/06/2014

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 <u>.100</u>	TEST 2 <u>.101</u>	TEST 3 <u>.101</u>
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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)	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).

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>Bryan Wickham</i>	PRINT NAME Bryan Wickham
TYPE II PERMIT NUMBER/EXPIRATION DATE 220146 06/25/2014	TELEPHONE NUMBER (417) 469-3158

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: 717-664-6470

### CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13280 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on October 18, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1217% (w/vol) ethyl alcohol. The expiration date for this lot number is October 16, 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.*

AS IV Serial no: 100291  
Version no: 004C

TEST RECORD 00444

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

Air Blank: 04/21/14 05:54 .000  
Calibration Check: 26 04/21/14 05:54 .101

Subject Name

Subject I.D.

Operator Name, I.D.

B. Wickham 405  
Location

AS IV Serial no: 100291  
Version no: 004C

TEST RECORD 00443

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

Air Blank: 04/21/14 05:52 .000  
Calibration Check: 26 04/21/14 05:52 .101

Subject Name

Subject I.D.

Operator Name, I.D.

B. Wickham 405  
Location

AS IV Serial no: 100291  
Version no: 004C

TEST RECORD 00442

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

Air Blank: 04/21/14 05:51 .000  
Calibration Check: 25 04/21/14 05:51 .100

Subject Name

Subject I.D.

Operator Name, I.D.

B. Wickham 405  
Location

AS IV Serial no: 100291  
Version no: 004C

TEST RECORD 00445

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

Void: RFI 12 04/21/14 05:53

Subject Name

Subject I.D.

Operator Name, I.D.

B. Wickham 405  
Location

State of Missouri  
DEPARTMENT OF HEALTH



PERMIT  
TYPE II



BRYAN WICKHAM

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field 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 (alveolar) air. Issued under the provisions of sections 577.020 through 577.041, RSMo 1986.

Date 06/25/2012

Number 220146

Expires 06/25/2014

MO 650-0771 (7-88)

Director of State Public Health Laboratory

Director, Department of Health

Lab. 4 (R7-88)