



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

**RECEIVED**  
 By Carol Day at 9:55 am, Sep 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 030791	PRINTER SN 84.9324.152	DATE OF INSPECTION 09/30/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Hazelwood PD BAT VAN		TIME OF INSPECTION 7:57 am

**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 Inc. LOT # 13280 EXP. DATE 10/16/2015

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2742 SIMULATOR EXP DATE 11/14/2015

- 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 → .097      TEST 2 → .097      TEST 3 → .097

- 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).

Simulator solution bottle number #832.

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>Anthony T. Kristo</i>	PRINT NAME Anthony T. Kristo
TYPE II PERMIT NUMBER/EXPIRATION DATE 230269, 11-26-2015	TELEPHONE NUMBER (314) 838-5000

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.

890 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • 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: 603791  
Version no: 5070

TEST REFNO: 60046  
Temp Date Time 2100

Air Blank: 99/30/14 07:57, 000

Calibration Check: 21 99/30/14 07:57, 000

Subject Name: TEST

Subject I.D.: N/A

Operator Name: KASB

Location: Hazelwood B.A.T.

Vehicle: Vehicle B

AS IV Serial no: 603791  
Version no: 5070

TEST REFNO: 60049  
Temp Date Time 2100

Air Blank: 99/30/14 07:57, 000

Calibration Check: 21 99/30/14 07:57, 000

Subject Name: TEST

Subject I.D.: N/A

Operator Name: KASB

Location: Hazelwood B.A.T.

Vehicle: Vehicle B

AS IV Serial no: 603791  
Version no: 5070

TEST REFNO: 60050  
Temp Date Time 2100

Air Blank: 99/30/14 07:57, 000

Calibration Check: 21 99/30/14 07:57, 000

Subject Name: TEST

Subject I.D.: N/A

Operator Name: KASB

Location: Hazelwood B.A.T.

Vehicle: Vehicle B

AS IV Serial no: 603791  
Version no: 5070

TEST REFNO: 60045  
Temp Date Time 2100

Air Blank: 99/30/14 07:57, 000

Calibration Check: 21 99/30/14 07:57, 000

Subject Name: TEST

Subject I.D.: N/A

Operator Name: KASB

Location: Hazelwood B.A.T.

Vehicle: Vehicle B



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



**PERMIT  
 TYPE II**

**ANTHONY T KRISTO**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**DATAMASTER, INTOX EC/IR II, 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 11/26/2013

NUMBER 230269

EXPIRES 11/26/2015

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

,acting director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES



**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 KRISTO, ANTHONY  
 Permit No 230269  
 Date Issued 11/28/2013 Date Expires 11/26/2015