



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

REPORT #7

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 107975	PRINTER SN 099.3586.829	DATE OF INSPECTION 8-9-16
LOCATION OF INSTRUMENT (STREET AND CITY) 201 East Park Vandalia, MO 63382		TIME OF INSPECTION 1115

**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                      LOT # 15120                      EXP. DATE 04/29/2017

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C                      SIMULATOR SN SD2280                      SIMULATOR EXP DATE 04/08/2017

- 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>.102%</u>	TEST 2 → <u>.102%</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	<u>0</u> (0-.04)	<u>1</u> (.05-.09)	<u>0</u> (.10-.14)	<u>0</u> (.15-.19)	<u>0</u> (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).

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME Justin Landis
TYPE II PERMIT NUMBER/EXPIRATION DATE 250189/ 08/18/2017	TELEPHONE NUMBER (573) 594-6186

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.**

630 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-634-5470

**CERTIFICATE OF ANALYSIS**

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 15120 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on May 4, 2015, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1209% (w/vol) ethyl alcohol. The expiration date for this lot number is April 29, 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 Cerilliant Reference Standard lot number EN08051301 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: 167975  
Version no: 532B

TEST RECORD 00320

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

VOID: RFI  
12 08/09/16 11:15

Subject Name

*Test*

Subject I.D.

Operator Name, I.D.

*Jadi 206*

Location

*UPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00322

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

Air Blank:  
08/09/16 11:18 .000  
Calibration Check:  
21 08/09/16 11:18 .102

Subject Name

*Test*

Subject I.D.

Operator Name, I.D.

*Jadi 206*

Location

*UPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00323

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

Air Blank:  
08/09/16 11:20 .000  
Calibration Check:  
22 08/09/16 11:20 .102

Subject Name

*Test*

Subject I.D.

Operator Name, I.D.

*Jadi 206*

Location

*UPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00324

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

Air Blank:  
08/09/16 11:21 .000  
Calibration Check:  
22 08/09/16 11:21 .101

Subject Name

*Test*

Subject I.D.

Operator Name, I.D.

*Jadi 206*

Location

*UP2*



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



**PERMIT  
TYPE II**

**JUSTIN LANDIS**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and  
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  
577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 8/18/2015

NUMBER 250189

EXPIRES 8/18/2017

MO 550-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

1000-11

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 LANDIS, JUSTIN  
Permit No 250189  
Date Issued 8/18/2015 Date Expires 8/18/2017