



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 <b>107975</b>	PRINTER SN <b>099, 3586, 829</b>	DATE OF INSPECTION <b>3-19-16</b>
LOCATION OF INSTRUMENT (STREET AND CITY) <b>201 E. Park Vandalia, MO 63382</b>		TIME OF INSPECTION <b>0847</b>

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 4-29-17
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN 502286 SIMULATOR EXP DATE 8-12-16

- 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 = <b>.101%</b>	TEST 2 = <b>.102%</b>	TEST 3 = <b>.103%</b>
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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 <b>0</b>	(0-.04) <b>1</b>	(.05-.09) <b>0</b>	(.10-.14) <b>0</b>	(.15-.19) <b>0</b>	(OVER .19) <b>0</b>
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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).

Sample control capacitor was replaced & unit was recalibrated by R. Welsh on 3-17-16.

INSPECTING OFFICER

SIGNATURE <i>Justin Landis</i>	PRINT NAME <b>Justin Landis</b>
TYPE II PERMIT NUMBER/EXPIRATION DATE <b>250189 / 08-18-17</b>	TELEPHONE NUMBER <b>573-594-6186</b>

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

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00246

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

VOID: RFI  
12 03/18/16 08:47

Subject Name

*Test*

Subject I.D.

*Maintenance*

Operator Name, I.D.

*Landis 206*

Location

*VPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00247

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

Air Blank:  
03/18/16 08:48 .800  
Subject Test: Auto  
17 03/18/16 08:48 .000

Subject Name

*Maintenance*

Subject I.D.

Operator Name, I.D.

*Landis 206*

Location

*VPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00248

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

Air Blank:  
03/18/16 08:50 .000  
Calibration Check:  
18 03/18/16 08:50 .101

Subject Name

*Maintenance*

Subject I.D.

Operator Name, I.D.

*Landis 206*

Location

*VPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00249

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

Air Blank:  
03/18/16 08:52 .000  
Calibration Check:  
18 03/18/16 08:52 .102

Subject Name

*Maintenance*

Subject I.D.

Operator Name, I.D.

*Landis 206*

Location

*VPD*

AS IV Serial no: 167975  
Version no: 532B

TEST RECORD 00251

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

Air Blank:  
03/18/16 08:56 .000  
Calibration Check:  
19 03/18/16 08:56 .103

Subject Name

*Maintenance*

Subject I.D.

Operator Name, I.D.

*Landis 206*

Location

*VPD*

**GUTH LABORATORIES, INC.**

590 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 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 FN08051301 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.*



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 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 8/18/2015

NUMBER 250189

EXPIRES 8/18/2017

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 593-0771 (6-10)

LAB-4 (RS-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 LANDIS, JUSTIN  
Permit No 250189  
Date Issued 8/18/2015 Date Expires 8/18/2017