



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 096228	PRINTER SN 097-3584-044	DATE OF INSPECTION 03/10/2016
LOCATION OF INSTRUMENT (STREET AND CITY) NORMANDY PD, 7700 NATURAL BRIDGE, NORMANDY, MO		TIME OF INSPECTION 00:41 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                      LOT # 15120                      EXP. DATE 04/29/2017

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0                      SIMULATOR SN SD1615                      SIMULATOR EXP DATE 07/06/2017

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>.101</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	<u>2</u>	(0-.04)	<u>1</u>	(.05-.09)	<u>2</u>	(.10-.14)	<u>1</u>	(.15-.19)	(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).

NONE

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>Brandon W Lange</i> ZGB	PRINT NAME BRANDON W LANGE
TYPE II PERMIT NUMBER/EXPIRATION DATE 250161 7/22/2017	TELEPHONE NUMBER (314) 385-3300

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: 096228  
Version no: 532B

TEST RECORD 00425

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

Air Blank:  
03/10/16 00:41 .000  
Subject Test: Auto  
23 03/10/16 00:41 .000

Subject Name

Jange 206

Subject I.D.

N/A

Operator Name, I.D.

Jange 206

Location

Normandy P.O.

AS IV Serial no: 096228  
Version no: 532B

TEST RECORD 00427

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

Air Blank:  
03/10/16 00:45 .000  
Calibration Check:  
25 03/10/16 00:45 .101

Subject Name

mant 1

Subject I.D.

N/A

Operator Name, I.D.

Jange 206

Location

Normandy P.O.

AS IV Serial no: 096228  
Version no: 532B

TEST RECORD 00429

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

Air Blank:  
03/10/16 00:48 .000  
Calibration Check:  
26 03/10/16 00:48 .101

Subject Name

mant 2

Subject I.D.

Jange 206 N/A

Operator Name, I.D.

Jange 206

Location

Normandy P.O.

AS IV Serial no: 096228  
Version no: 532B

TEST RECORD 00430

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

Air Blank:  
03/10/16 00:50 .000  
Calibration Check:  
26 03/10/16 00:50 .101

Subject Name

Mant 3

Subject I.D.

N/A

Operator Name, I.D.

Jange 206

Location

Normandy P.O.

AS IV Serial no: 096228  
Version no: 532B

TEST RECORD 00426

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

VOID: RFI  
12 03/10/16 00:43

Subject Name

R.F.I.

Subject I.D.

Operator Name, I.D.

Jange 206

Location

Normandy P.O.

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

2

PERMIT  
TYPE II

BRANDON W LANGE

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

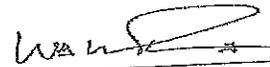
ALCO-SENSOR IV WITH PRINTER

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 77.020 through 77.041, RSMo and 306.111 through 306.119 RSMo.

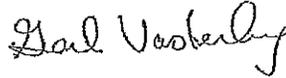
DATE 7/22/2015

NUMBER 250161

EXPIRES 7/22/2017



DIRECTOR OF STATE PUBLIC HEALTH LABORATORY



DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

L494 (6-10)

1580-9771 (6-10)

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 LANGE, BRANDON  
Permit No 250161  
Date Issued 7/22/2015 Date Expires 7/22/2017



**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  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L  $\pm$  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.*