



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

RECEIVED  
 by Tracy Christensen at 8:46am, Mar 26, 2021

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<br>111647  | NAME OF AGENCY<br>NORMAANDY PD | DATE OF INSPECTION<br>03/25/2021 |
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>7700 NATURAL BRIDGE, NORMANDY, MO, 63121 |                                | TIME OF INSPECTION<br>8:46 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 # 19160 EXP. DATE 07/09/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD1615 SIM. NIST EXP DATE 07/24/2021

- 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) | 1 | (.05-.09) | 0 | (.10-.14) | 0 | (.15-.19) | 2 | (OVER .19) | 0 |
|----------|---|---------|---|-----------|---|-----------|---|-----------|---|------------|---|

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).  
 TIME WAS CHANGED, DUE TO DAYLIGHT SAVINGS

**INSPECTING OFFICER**

|               |                                |
|---------------|--------------------------------|
| SIGNATURE<br> | PRINT NAME<br>BRANDON W. LANGE |
|---------------|--------------------------------|

|  |                                    |
|--|------------------------------------|
| TYPE II PERMIT NUMBER/EXPIRATION DATE<br>290166 08/01/2021 | TELEPHONE NUMBER<br>(314) 385-3300 |
|--|------------------------------------|

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00266

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

Air Blank:  
03/25/21 08:46 .000  
Calibration Check:  
20 03/25/21 08:46 .097

Subject Name

mant 1

Subject I.D.

N/A

Operator Name, I.D.

Dange 266

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00267

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

Air Blank:  
03/25/21 08:47 .000  
Calibration Check:  
20 03/25/21 08:47 .097

Subject Name

mant 2

Subject I.D.

N/A

Operator Name, I.D.

Dange 266

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00268

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

Air Blank:  
03/25/21 08:49 .000  
Calibration Check:  
21 03/25/21 08:49 .097

Subject Name

mant 3

Subject I.D.

N/A

Operator Name, I.D.

Dange 266

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00269

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

VOID: RFI  
12 03/25/21 08:50

Subject Name

R.F.I

Subject I.D.

N/A

Operator Name, I.D.

Dange 266

Location

Normandy PD

AS IV Serial no: 111647  
Version no: 532B

TEST RECORD 00270

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

Air Blank:  
03/25/21 08:51 .000  
Subject Test: Auto  
22 03/25/21 08:51 .000

Subject Name

Dange

Subject I.D.

266

Operator Name, I.D.

Dange 266

Location

Normandy PD



**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET ■ HARRISBURG, PA 17111-4511 ■ TELEPHONE: 717-664-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 19160 of

~~Alcohol Reference Solution for Simulator~~ were analyzed by

gas chromatography on **July 10, 2019**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1202%** (w/vol) ethyl alcohol. The expiration date for this lot number is **July 9, 2021** 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 FN04271602 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.*



# PERMIT TYPE II

## BRANDON W LANGE

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 506.111 through 506.114, RSMo.

DATE 8/1/2019

NUMBER 290166

EXPIRES 8/1/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (REV 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 from of expired air in Missouri.

Operator **LANGE, BRANDON**  
Permit No **290166**  
Date Issued **8/1/2019** Date Expires **8/1/2021**