



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

**RECEIVED**  
 By Tracy Crews at 7:34 am, Jan 24, 2025

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>111781 | NAME OF AGENCY<br>Warsaw Police Department | DATE OF INSPECTION<br>01/23/2025 |
|-----------------------------|--|----------------------------------|

|   |                               |
|---|-------------------------------|
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>181 W. Harrison St, Warsaw Mo 65355 | TIME OF INSPECTION<br>2:21 pm |
|---|-------------------------------|

**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 LOT # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.04 SIM. SN MP6529 SIM. NIST EXP DATE 10/03/2025

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  .100 | TEST 2  .100 | TEST 3  .100 |
|--------------|--------------|--------------|

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) | 1 |
|----------|---|---------|---|-----------|---|-----------|---|-----------|---|------------|---|

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).

Instrument operating within established limits.

**INSPECTING OFFICER**

|               |                               |
|---------------|-------------------------------|
| SIGNATURE<br> | PRINT NAME<br>Sgt. Tony Helms |
|---------------|-------------------------------|

|  |                                    |
|--|------------------------------------|
| TYPE II PERMIT NUMBER/EXPIRATION DATE<br>240099 05/07/2025 | TELEPHONE NUMBER<br>(660) 438-5522 |
|--|------------------------------------|

**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: 111781  
Version no: 532B

TEST RECORD 00244

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

Air Blank:  
01/23/25 14:21 .000  
Calibration Check:  
20 01/23/25 14:21 .100

Subject Name

T. Helms Test #1

Subject I.D.

Test #1

Operator Name, I.D.

T. Helms 240099

Location

181 W Harrison

Warsaw MO

AS IV Serial no: 111781  
Version no: 532B

TEST RECORD 00245

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

Air Blank:  
01/23/25 14:29 .000  
Calibration Check:  
21 01/23/25 14:29 .100

Subject Name

Test #2

Subject I.D.

Test #2

Operator Name, I.D.

T. Helms 240099

Location

181 W Harrison

Warsaw MO

AS IV Serial no: 111781  
Version no: 532B

TEST RECORD 00246

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

Air Blank:  
01/23/25 14:31 .000  
Calibration Check:  
22 01/23/25 14:31 .100

Subject Name

RFI Test #3

Subject I.D.

Test #3

Operator Name, I.D.

T. Helms 240099

Location

181 W Harrison

Warsaw MO

AS IV Serial no: 111781  
Version no: 532B

TEST RECORD 00247

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

VOID: RFI  
12 01/23/25 14:33

Subject Name

~~Test #3~~ RFI

Subject I.D.

~~Test #3~~ RFI

Operator Name, I.D.

T. Helms 240099

Location

181 W Harrison

Warsaw MO



## 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 **23390** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1207%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 17, 2025** 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 FN03072301 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.*