



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<br>111632  | NAME OF AGENCY<br>Missouri State Highway Patrol | DATE OF INSPECTION<br>06/10/2024 |
| LOCATION OF INSTRUMENT (STREET AND CITY)<br>Troop G Headquarters, Willow Springs |   | TIME OF INSPECTION<br>2:40 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.

|   |
|---|
| <input checked="" type="checkbox"/> DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)    |
| <input checked="" type="checkbox"/> TEMPERATURE OF ALCO SENSOR (10°C - 40°C) 19°C |
| <input checked="" type="checkbox"/> PRINTER WORKING PROPERLY                      |
| <input checked="" type="checkbox"/> TIME AND DATE DISPLAYING PROPERLY             |

**BREATH ALCOHOL ACCURACY STANDARDS**

|  |   |
|--|---|
| <input checked="" type="checkbox"/> SIMULATOR SOLUTION   | <input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE |
| <input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Guth Laboratories Inc</u> LOT # <u>23180</u> EXP. DATE <u>05/17/2025</u>  |   |
| <input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.00</u> SIM. SN <u>MP2124</u> SIM. NIST EXP DATE <u>02/01/2025</u>   |   |
| <input checked="" type="checkbox"/> CALIBRATION CHECK – (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)<br>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) |   |
| <input checked="" type="checkbox"/> 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE  |   |
| <input type="checkbox"/> 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE   |   |
| <input type="checkbox"/> 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE   |   |

|               |               |               |
|---------------|---------------|---------------|
| TEST 1 ← .100 | TEST 2 ← .101 | 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 1 | (0-.04) 0 | (.05-.09) 1 | (.10-.14) 4 | (.15-.19) 0 | (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).

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**INSPECTING OFFICER**

|  |                                   |
|--|-----------------------------------|
| SIGNATURE<br>  | PRINT NAME<br>Thomas Meyer        |
| TYPE II PERMIT NUMBER/EXPIRATION DATE<br>220218 09/07/2024 | TELEPHONE NUMBER<br>(417-469-3121 |

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: 111632  
Version no: 532B

TEST RECORD 00257

Temp Date Time 210L  
s/  
VOID: RFI  
12 06/10/24 14:44

Subject Name

Subject I.D.

Operator Name, I.D.

Location

T. MEYER 200218

Troop HQ, Willow Springs

AS IV Serial no: 111632  
Version no: 532B

TEST RECORD 00258

Temp Date Time 210L  
s/  
Air Blank: 06/10/24 14:46 .000  
Calibration Check: 19 06/10/24 14:46 .100

Subject Name

Subject I.D.

Operator Name, I.D.

Location

T. MEYER 200218

Troop HQ Willow Springs

AS IV Serial no: 111632  
Version no: 532B

TEST RECORD 00259

Temp Date Time 210L  
s/  
Air Blank: 06/10/24 14:48 .000  
Calibration Check: 19 06/10/24 14:48 .101

Subject Name

Subject I.D.

Operator Name, I.D.

Location

T. MEYER 200218

Troop HQ Willow Springs

AS IV Serial no: 111632  
Version no: 532B

TEST RECORD 00260

Temp Date Time 210L  
s/  
Air Blank: 06/10/24 14:49 .000  
Calibration Check: 20 06/10/24 14:49 .100

Subject Name

Subject I.D.

Operator Name, I.D.

Location

T. MEYER 200218

Troop HQ Willow Springs



## 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 **23180** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** 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 FN11172002 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**

**THOMAS W. MEYER**

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, INTOX DMT**

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 9/7/2022

*Mike M... ..*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 220218

*David J. Nicholson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 9/7/2024

MO 540 07/1 (6-10)

LAB-4 (R5 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 MEYER, THOMAS  
Permit No 220218  
Date Issued 9/7/2022 Date Expires 9/7/2024

