



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 111778	NAME OF AGENCY Oak Grove Police Department	DATE OF INSPECTION 02/14/2025
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LOCATION OF INSTRUMENT (STREET AND CITY) 2110 S Broadway Oak Grove, MO 64075	TIME OF INSPECTION 0:03 am
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**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 Labs LOT # 24310 EXP. DATE 02/14/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2734 SIM. NIST EXP DATE 07/12/2025

- 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 $\blacktriangleleft$ .099	TEST 2 $\blacktriangleleft$ .098	TEST 3 $\blacktriangleleft$ .098
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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	0	(0-.04)	0	(.05-.09)	3	(.10-.14)	1	(.15-.19)	0	(OVER .19)	0
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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).

Adjusted time which was three minutes

**INSPECTING OFFICER**

SIGNATURE <i>Sgt. Brandon S. Grote #0001</i>	PRINT NAME Sgt. Brandon S. Grote #0001
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TYPE II PERMIT NUMBER/EXPIRATION DATE 240275 12-31-2025	TELEPHONE NUMBER (816) 690-3773
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**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

95 19 Serial no: 111275  
Version no: 5378

TEST RECORD 00086

Test Date Time 2:06

Site Blank  
02/14/25 09:17 (9/9)  
Calibration Check:  
21 02/14/25 09:17 (9/9)

Subject Name

Test #2

Subject I.D.

Grade

Operator Name, I.D.

240275 12/31/26

Location

2110 S. Broadway

95 19 Serial no: 111275  
Version no: 5378

TEST RECORD 00087

Test Date Time 2:06

Site Blank  
02/14/25 09:19 (9/9)  
Calibration Check:  
21 02/14/25 09:19 (9/9)

Subject Name

Test #3

Subject I.D.

Grade

Operator Name, I.D.

240275 12/31/26

Location

2110 S. Broadway

95 19 Serial no: 111275  
Version no: 5378

TEST RECORD 00088

Test Date Time 2:06

Site Blank  
02/14/25 09:13 (9/9)  
Calibration Check:  
21 02/14/25 09:13 (9/9)

Subject Name

Test #1

Subject I.D.

Grade

Operator Name, I.D.

240275 12/31/26

Location

2110 S. Broadway

95 19 Serial no: 111275  
Version no: 5378

TEST RECORD 00089

Test Date Time 2:06

Site Blank  
02/14/25 09:20

Subject Name

RFI Test

Subject I.D.

Grade

Operator Name, I.D.

240275 12/31/26

Location

2110 S. Broadway



**GUTH LABORATORIES, INC.**

690 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-584-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **24310** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **August 28, 2024**, 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 **August 27, 2026** 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 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.*



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



**PERMIT**  
**TYPE II**  
**BRANDON S. GROTE**

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 12/31/2024

NUMBER 240275

EXPIRES 12/31/2026

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)



**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 GROTE, BRANDON  
 Permit No 240275  
 Date issued 12/31/2024 Date Expires 12/31/2026

