



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 119735	NAME OF AGENCY AURORA POLICE DEPARTMENT	DATE OF INSPECTION 12/01/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 106 S. ELLIOTT, AURORA, MO. 65605		TIME OF INSPECTION 9:09 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 LABS LOT # 24110 EXP. DATE 03/05/2026

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.02 SIM. SN SD2258 SIM. NIST EXP DATE 08/26/2025

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 ← .097

TEST 2 ← .096

TEST 3 ← .096

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)	0	(.10-.14)	0	(.15-.19)	1	(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).

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME TATUM MAPLES
TYPE II PERMIT NUMBER/EXPIRATION DATE 240192 08/29/2026	TELEPHONE NUMBER (417) 678-5025

**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: 119735  
Version no: 532C

TEST RECORD 00087

Temp Date Time 210L  
9/

Air Blank: 12/01/24 21:33 .000  
Calibration Check: 20 12/01/24 21:33 .097

Subject Name  
Self test

Subject I.D.  
#1

Operator Name, I.D.  
Tatum Maples #240192

Location 8/29/2026

ID# S. Elliott

Aurora, Mo. 65605

AS IV Serial no: 119735  
Version no: 532C

TEST RECORD 00088

Temp Date Time 210L  
9/

Air Blank: 12/01/24 21:39 .000  
Calibration Check: 21 12/01/24 21:39 .096

Subject Name  
Self test

Subject I.D.  
#2

Operator Name, I.D.  
Tatum Maples #240192

Location 8/29/2026

ID# S. Elliott

Aurora, MO, 65605

AS IV Serial no: 119735  
Version no: 532C

TEST RECORD 00089

Temp Date Time 210L  
9/

Air Blank: 12/01/24 21:43 .000  
Calibration Check: 22 12/01/24 21:43 .096

Subject Name  
Self test

Subject I.D.  
#3

Operator Name, I.D.  
Tatum Maples #240192

Location 8/29/2026

ID# S. Elliott

Aurora, Mo. 65605

AS IV Serial no: 119735  
Version no: 532C

TEST RECORD 00090

Temp Date Time 210L  
9/

VOID: RFI  
12 12/01/24 21:48

Subject Name  
RFI

Subject I.D.  
RFI

Operator Name, I.D.  
Tatum Maples #240192

Location 8/29/26

ID# S. Elliott

Aurora, Mo. 65605



# 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 **24110** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 6, 2024**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1215%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 5, 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.*