



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 02/03/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 106 S. ELLIOTT, AURORA, MISSOURI, 65605.		TIME OF INSPECTION 7:15 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 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 .100

TEST 2 .099

TEST 3 .099

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)	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
Cpl. *Tatum Maples* 832

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 00109

Temp Date Time 210L 9/

Air Blank: 02/03/25 07:15 .000

Calibration Check: 20 02/03/25 07:15 .100

Subject Name

Maint. test

Subject I.D. #1

Operator Name, I.D. #240192

Tatum Maples

Location exp. 8/29/26

Joe S. Elliott

Aurora, MO. 65605

AS IV Serial no: 119735
Version no: 532C

TEST RECORD 00110

Temp Date Time 210L 9/

Air Blank: 02/03/25 07:17 .000

Calibration Check: 21 02/03/25 07:17 .099

Subject Name

Maint. test

Subject I.D. #2

Operator Name, I.D. #240192

Tatum Maples

Location exp. 8/29/26

Joe S. Elliott

Aurora, MO. 65605

AS IV Serial no: 119735
Version no: 532C

TEST RECORD 00111

Temp Date Time 210L 9/

Air Blank: 02/03/25 07:20 .000

Calibration Check: 21 02/03/25 07:20 .099

Subject Name

Maint. test #3

Subject I.D. #240192

Operator Name, I.D. #240192

Tatum Maples

Location exp. 8/29/26

Joe S. Elliott

Aurora, MO. 65605

AS IV Serial no: 119735
Version no: 532C

TEST RECORD 00112

Temp Date Time 210L 9/

VOID: RFI 12 02/03/25 07:22

Subject Name

RFI test

Subject I.D.

Operator Name, I.D.

Tatum Maples #240192

Location exp. 8/29/26

Joe 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.