



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 09/30/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 106 SOUTH ELLIOTT, AURORA, MO. 65605		TIME OF INSPECTION 4:10 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) 34.01 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 .099	TEST 2 .098	TEST 3 .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)	0	(.10-.14)	3	(.15-.19)	0	(OVER .19)	1
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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 00076

Temp Date Time 210L
g/
Air Blank: 09/30/24 16:10 .000
Callibration Check: 31 09/30/24 16:10 .099

Subject Name
Maintenance test #1
Subject I.D.

Operator Name, I.D.
Tatum Maples #240192
Location exp. 8/29/26
106 S. Elkhart
Aurora, MO. 65605

AS IV Serial no: 119735
Version no: 532C

TEST RECORD 00077

Temp Date Time 210L
g/
Air Blank: 09/30/24 16:11 .000
Callibration Check: 31 09/30/24 16:11 .098

Subject Name
Maintenance test #2
Subject I.D.

Operator Name, I.D.
Tatum Maples #240192
Location exp. 8/29/26
106 S. Elkhart
Aurora, MO. 65605

AS IV Serial no: 119735
Version no: 532C

TEST RECORD 00078

Temp Date Time 210L
g/
Air Blank: 09/30/24 16:13 .000
Callibration Check: 31 09/30/24 16:13 .098

Subject Name
Maintenance test #3
Subject I.D.

Operator Name, I.D.
Tatum Maples #240192
Location exp. 8/29/26
106 S. Elkhart
Aurora, MO. 65605

AS IV Serial no: 119735
Version no: 532C

TEST RECORD 00079

Temp Date Time 210L
g/
VOID: RFI
12 09/30/24 16:14

Subject Name
RFI Test.
Subject I.D.

Operator Name, I.D.
Tatum Maples #240192
Location 8/29/26
106 S. Elkhart
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.



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

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PERMIT
TYPE II
TATUM MAPLES

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 EC/IR II

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 8/29/2024

NUMBER 240192

EXPIRES 8/29/2026

Mike Mason

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

David J. Nicholson

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 MAPLES, TATUM
 Permit No 240192
 Date Issued 8/29/2024 Date Expires 8/29/2026

