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By Tracy Crews at 7:43 am, Mar 10, 2025


 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 107997	NAME OF AGENCY TROY PD	DATE OF INSPECTION 03/02/2025
LOCATION OF INSTRUMENT (STREET AND CITY) 800 CAP AU GRIS, TROY MO		TIME OF INSPECTION 11:01 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 LOT # 24110 EXP. DATE 03/05/2026
 SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD2505 SIM. NIST EXP DATE 08/02/2025
 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 .102TEST 2 .102TEST 3 .103
 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 /s/ T.A. Plumb DSN 187PRINT NAME
T.A. PLUMB 187TYPE II PERMIT NUMBER/EXPIRATION DATE
240197/ 07292026TELEPHONE NUMBER
(636) 528-4725

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: 107997
Version no: 5328

TEST RECORD 00642

Temp Date Time 210L

Air Blank:
03/02/25 23:45 .000
Calibration Check:
21 03/02/25 23:45 .183

Subject Name

MAINT

Subject I.D.

Operator Name, I.D.

Plumb 187

Location

Day PD

AS IV Serial no: 107997
Version no: 5328

TEST RECORD 00640

Temp Date Time 210L

Air Blank:
03/02/25 23:41 .000
Calibration Check:
20 03/02/25 23:41 .182

Subject Name

MAINT

Subject I.D.

Operator Name, I.D.

Plumb 187

Location

Day PD

AS IV Serial no: 107997
Version no: 5328

TEST RECORD 00643

Temp Date Time 210L

VOID: RFI
12 03/02/25 23:46

Subject Name

MAINT

Subject I.D.

Plumb

Operator Name, I.D.

Plumb 187

Location

Day PD

AS IV Serial no: 107997
Version no: 5328

TEST RECORD 00641

Temp Date Time 210L

Air Blank:
03/02/25 23:43 .000
Calibration Check:
21 03/02/25 23:43 .182

Subject Name

MAINT

Subject I.D.

Operator Name, I.D.

Plumb 187

Location

Day PD

**GUTH LABORATORIES, INC.**

690 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



PERMIT
TYPE II
TODD A. PLUMB

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 308.111 through 308.119 RSMo.

DATE 8/29/2024

NUMBER 240197

EXPIRES 8/29/2026

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 **PLUMB, TODD**
Permit No **240197**
Date Issued **8/29/2024** Date Expires **8/29/2026**

