



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 119730	NAME OF AGENCY Palmyra Police Department	DATE OF INSPECTION 10/04/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 200 N. Main St. Palmyra Mo. 63461		TIME OF INSPECTION 11:19 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 Laboratories LOT # 24110 EXP. DATE 03/05/2026
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN DR5308 SIM. NIST EXP DATE 07/23/2025

- 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  .095	TEST 2  .094	TEST 3  .094
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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)	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 	PRINT NAME Michael L. Baker
TYPE II PERMIT NUMBER/EXPIRATION DATE 230025/02/14/2025	TELEPHONE NUMBER (573) 769-5540

**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: 119730  
Version no: 532C

TEST RECORD 00196

Temp Date Time 21<sup>9/</sup>OL

Air Blank:  
10/04/24 11:19 .000  
Calibration Check:  
21 10/04/24 11:19 .095

Subject Name  
Calibration Check

Subject I.D.  
Michael BAKER

Operator Name, I.D.  
PALMYRA P.D.

Location

AS IV Serial no: 119730  
Version no: 532C

TEST RECORD 00197

Temp Date Time 21<sup>9/</sup>OL

Air Blank:  
10/04/24 11:21 .000  
Calibration Check:  
22 10/04/24 11:21 .094

Subject Name  
Calibration Check

Subject I.D.  
Michael BAKER

Operator Name, I.D.  
PALMYRA P.D.

Location

AS IV Serial no: 119730  
Version no: 532C

TEST RECORD 00198

Temp Date Time 24<sup>9/</sup>OL

Air Blank:  
10/04/24 11:33 .000  
Calibration Check:  
24 10/04/24 11:33 .094

Subject Name  
Calibration Check

Subject I.D.  
Michael BAKER

Operator Name, I.D.  
PALMYRA P.D.

Location

AS IV Serial no: 119730  
Version no: 532C

TEST RECORD 00199

Temp Date Time 12<sup>9/</sup>OL

VOID: RFI  
12 10/04/24 11:34

Subject Name  
RFI Check

Subject I.D.  
Michael BAKER

Operator Name, I.D.  
PALMYRA P.D.

Location



**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

2

PERMIT  
TYPE II

MICHAEL L. BAKER

I 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 2/14/2023

NUMBER 230025

EXPIRES 2/14/2025

880-0771 (8-10)

*Mike Massum*  
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula F. Richardson*  
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES  
LAB-4 (R0-10)

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: BAKER, MICHAEL  
Permit No: 230025  
Date Issued: 2/14/2023      Date Expires: 2/14/2025

