



**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 <b>107995</b>	NAME OF AGENCY <b>Missouri State Highway Patrol</b>	DATE OF INSPECTION <b>11/01/2024</b>
------------------------------------	--	---

LOCATION OF INSTRUMENT (STREET AND CITY) <b>1000 Osage Beach Parkway, Osage Beach, Mo</b>	TIME OF INSPECTION <b>11:08 pm</b>
--	---------------------------------------

**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 # **23390**      EXP. DATE **10/17/2025**

SIMULATOR TEMPERATURE (34°C ± 0.2°C) **34.00**      SIM. SN **MP2315**      SIM. NIST EXP DATE **11/20/2024**

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 = <b>.099</b>	TEST 2 = <b>.099</b>	TEST 3 = <b>.099</b>
----------------------	----------------------	----------------------

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	<b>0</b>	(0-.04)	<b>0</b>	(.05-.09)	<b>1</b>	(.10-.14)	<b>1</b>	(.15-.19)	<b>0</b>	(OVER .19)	<b>0</b>
----------	----------	---------	----------	-----------	----------	-----------	----------	-----------	----------	------------	----------

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).

All okay

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME <b>J.C. Simpson</b>
TYPE, PERMIT NUMBER, EXPIRATION DATE <b>230135 - 07/06/2025</b>	TELEPHONE NUMBER <b>(573) 751-1000</b>

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: 107995  
Version no: 5328

TEST RECORD 01179 9/

Temp Date Time 210L  
VOID: RFI  
12 11/01/24 23:25

Subject Name  
Subject I.D.  
RFI

Operator Name, I.D.  
Location  
J.L. SIMPSON, 230135  
4000 CITY PKWY  
OSAGE BEACH, MO

AS IV Serial no: 107995  
Version no: 5328

TEST RECORD 01178 9/

Temp Date Time 210L  
Air Blank: 11/01/24 23:23 .000  
Calibration Check: 23 11/01/24 23:23 .099

Subject Name  
Subject I.D.  
TEST 3

Operator Name, I.D.  
Location  
J.L. SIMPSON, 230135  
4000 CITY PKWY  
OSAGE BEACH, MO

AS IV Serial no: 107995  
Version no: 5328

TEST RECORD 01177 9/

Temp Date Time 210L  
Air Blank: 11/01/24 23:19 .000  
Calibration Check: 23 11/01/24 23:19 .099

Subject Name  
Subject I.D.  
TEST 2

Operator Name, I.D.  
Location  
J.L. SIMPSON, 230135  
4000 CITY PKWY  
OSAGE BEACH, MO

AS IV Serial no: 107995  
Version no: 5328

TEST RECORD 01176 9/

Temp Date Time 210L  
Air Blank: 11/01/24 23:13 .000  
Calibration Check: 22 11/01/24 23:13 .099

Subject Name  
Subject I.D.  
TEST 1

Operator Name, I.D.  
Location  
J.L. SIMPSON, 230135  
4000 CITY PKWY  
OSAGE BEACH, MO



## 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 **23390** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **October 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1207%** (w/vol) ethyl alcohol. The expiration date for this lot number is **October 17, 2025** 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**  
**JUSTICE SIMPSON**

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 DMT**

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 7/6/2023

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 230135

*Paula J. Nickelson*

EXPIRES 7/6/2025

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 SIMPSON, JUSTICE  
 Permit No 230135  
 Date Issued 7/6/2023 Date Expires 7/6/2025

