



**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>111634</b>	NAME OF AGENCY <b>Missouri State Highway Patrol</b>	DATE OF INSPECTION <b>09/28/2024</b>
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LOCATION OF INSTRUMENT (STREET AND CITY) <b>Troop B, Zone 6 Office Kahoka, Missouri</b>	TIME OF INSPECTION <b>8:12 am</b>
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**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 # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01 SIM. SN MP2120 SIM. NIST EXP DATE 04/25/2025

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 .095

TEST 3 0.97

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)
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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  
**Riley D. Johnson**

TYPE II PERMIT NUMBER/EXPIRATION DATE  
**240036**

TELEPHONE NUMBER  
**(660) 385-2132**

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

SEP 28 2024

AS IV Serial no: 111634  
Version no: 532B

TEST RECORD 00118

Temp	Date	Time	s/ 210L
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Air Blank:  
09/28/24 08:13 .000  
Calibration Check:  
22 09/28/24 08:13 .095

Subject Name  
TEST # 1  
Subject I.D.  
240036  
Operator Name, I.D.  
R.D. Johnson  
Location  
Troop B/26

AS IV Serial no: 111634  
Version no: 532B

TEST RECORD 00119

Temp	Date	Time	s/ 210L
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Air Blank:  
09/28/24 08:14 .000  
Calibration Check:  
23 09/28/24 08:14 .095

Subject Name  
TEST # 2  
Subject I.D.  
240036  
Operator Name, I.D.  
R.D. Johnson  
Location  
Troop B/26

AS IV Serial no: 111634  
Version no: 532B

TEST RECORD 00120

Temp	Date	Time	s/ 210L
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Air Blank:  
09/28/24 08:18 .000  
Calibration Check:  
24 09/28/24 08:18 .097

Subject Name  
Test # 3  
Subject I.D.  
240036  
Operator Name, I.D.  
R.D. Johnson  
Location  
Troop B/26

AS IV Serial no: 111634  
Version no: 532B

TEST RECORD 00121

Temp	Date	Time	s/ 210L
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VOID: RFI  
12 09/28/24 08:19

Subject Name  
RFI  
Subject I.D.  
240036  
Operator Name, I.D.  
R.D. Johnson  
Location  
Troop B/26



## **GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-564-5470

### **CERTIFICATE OF ANALYSIS**

**Certified Alcohol Reference Solution for Simulator**

Random Samples of Lot Number **23180** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **May 18, 2023**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1220%** (w/vol) ethyl alcohol. The expiration date for this lot number is **May 17, 2025** at 11:59 PM.

When used in a calibrated Simulator, operating at **34°C +/- .2°C**, this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L +/- 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 FN1172002 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**

**RILEY D. JOHNSON**

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 2/5/2024

NUMBER 240036

EXPIRES 2/5/2026

*Mike Massman*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula J. Nicholson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES



**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 **JOHNSON, RILEY**  
Permit No **240036**  
Date Issued **2/5/2024**    Date Expires **2/5/2026**

