



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**  
 By Tracy Crews at 7:43 am, Oct 10, 2023

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 111734	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 10/08/2023
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LOCATION OF INSTRUMENT (STREET AND CITY) 102-B South Holden Street, Warrensburg MO. 64093	TIME OF INSPECTION 11:44 pm
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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 LOT # 23180 EXP. DATE 05/17/2025
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.03 SIM. SN MP2506 SIM. NIST EXP DATE 12/02/2023

- 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 ← .102	TEST 2 ← .102	TEST 3 ← .102
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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-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(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).

<b>INSPECTING OFFICER</b>	
SIGNATURE <i>Samuel Lee Edwards #580</i>	PRINT NAME Samuel Lee Edwards
TYPE II PERMIT NUMBER/EXPIRATION DATE 220220 / 09-09-2024	TELEPHONE NUMBER (816) 622-0800

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: 111734  
Version no: 532B

TEST RECORD 00227

Temp Date Time <sup>g/</sup> 210L

Air Blank:  
10/08/23 23:44 .000  
Calibration Check:  
21 10/08/23 23:44 .102

Subject Name

Test #1

Subject I.D.

Operator Name, I.D.

Samuel Edwards #580  
Location 220220

102 B. S Holden St

Warrensburg MO. 64093

AS IV Serial no: 111734  
Version no: 532B

TEST RECORD 00228

Temp Date Time <sup>g/</sup> 210L

Air Blank:  
10/08/23 23:45 .000  
Calibration Check:  
21 10/08/23 23:45 .102

Subject Name  
Test #2

Operator Name, I.D.

Samuel Edwards #580  
Location 220220

102 B. S Holden St

Warrensburg MO. 64093

AS IV Serial no: 111734  
Version no: 532B

TEST RECORD 00229

Temp Date Time <sup>g/</sup> 210L

Air Blank:  
10/08/23 23:45 .000  
Calibration Check:  
21 10/08/23 23:45 .102

Subject Name  
Test #3

Operator Name, I.D.

Samuel Edwards #580  
Location 220220

102 B. S Holden St

Warrensburg MO. 64093

AS IV Serial no: 111734  
Version no: 532B

TEST RECORD 00231

Temp Date Time <sup>g/</sup> 210L

VOID: RFI  
12 10/08/23 23:55

Subject Name

Test RFI

Subject I.D.

Operator Name, I.D.

Samuel Edwards #580  
Location

102 B. S Holden St

Warrensburg MO. 64093



## 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 **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  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , 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 FN11172002 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**  
**SAMUEL EDWARDS**

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 9/9/2022

NUMBER 220220

EXPIRES 9/9/2024

*Laura Q. Day*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Donald A. Ramsey*

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** EDWARDS, SAMUEL  
**Permit No** 220220  
**Date Issued** 9/9/2022 **Date Expires** 9/9/2024

