



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 097444	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 09/11/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) 1005 Spring Park Blvd, Mount Vernon, Missouri, 65712	TIME OF INSPECTION 4:47 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 Laboratories Inc LOT # 23180 EXP. DATE 05/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.01 SIM. SN MP2151 SIM. NIST EXP DATE 12/05/2024

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 ➡ 0.095

TEST 2 ➡ 0.096

TEST 3 ➡ 0.096

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)	(.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).

N/A

**INSPECTING OFFICER**

SIGNATURE ▶	PRINT NAME Tpr. Austin Royster
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TYPE II PERMIT NUMBER/EXPIRATION DATE Permit #: 230013 Exp: 01/24/2025	TELEPHONE NUMBER (417) 895-6868
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**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: 097444  
Version no: 532B

TEST RECORD 00595

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

Air Blank:  
09/11/24 16:53 .000  
Calibration Check:  
26 09/11/24 16:53 .095

Subject Name

Acc # 1

Subject I.D.

N/A

Operator Name, I.D.

Austin Ruyter 230013

Location

1005 Spring Park Blvd

Mount Vernon, MO 65712

AS IV Serial no: 097444  
Version no: 532B

TEST RECORD 00596

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

Air Blank:  
09/11/24 16:56 .000  
Calibration Check:  
26 09/11/24 16:56 .096

Subject Name

Acc # 2

Subject I.D.

N/A

Operator Name, I.D.

230013

Location

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"

AS IV Serial no: 097444  
Version no: 532B

TEST RECORD 00597

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

Air Blank:  
09/11/24 16:58 .000  
Calibration Check:  
26 09/11/24 16:58 .096

Subject Name

Acc # 3

Subject I.D.

N/A

Operator Name, I.D.

230013

Location

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AS IV Serial no: 097444  
Version no: 532B

TEST RECORD 00598

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

VOID: RFI  
12 09/11/24 16:59

Subject Name

RFI Check

Subject I.D.

N/A

Operator Name, I.D.

230013

Location

"

"



**GUTH LABORATORIES, INC.**

580 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°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

2

**PERMIT**  
**TYPE II**  
**AUSTIN ROYSTER**

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 1/24/2023

*Mike Massum*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 230013

*Dave J. Nicholson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

EXPIRES 1/24/2025

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 ROYSTER, AUSTIN  
 Permit No 230013  
 Date Issued 1/24/2023 Date Expires 1/24/2025

