



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

**RECEIVED**  
 By Tracy Crews at 7:34 am, Oct 02, 2024

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 111663	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 09/26/2024
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LOCATION OF INSTRUMENT (STREET AND CITY) 2920 N. Shamrock Rd, Jefferson City	TIME OF INSPECTION 9:20 am
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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 # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.99 SIM. SN MP2316 SIM. NIST EXP DATE 10/05/2024

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 ← .099

TEST 2 ← .100

TEST 3 ← .099

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).

Installed new 9 volt battery, new printer battery and Instrument calibrated

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Jimmy L. Cleveland
TYPE II PERMIT NUMBER/EXPIRATION DATE 230082/050325	TELEPHONE NUMBER (573) 751-4722

**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: 111663  
Version no: 532B

TEST RECORD 00275

Temp	Date	Time	s/	210L
Air Blank:				
	09/26/24	09:20	.000	
Calibration:				
	26 09/26/24	09:20	.100	

Subject Name

Calibration

Subject I.D.

Operator Name, I.D.

Jimmy Cleveland

Location

2920 N. Shamrock

Jefferson City

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD 00276

Temp	Date	Time	s/	210L
Air Blank:				
	09/26/24	09:28	.000	
Calibration Check:				
	26 09/26/24	09:28	.099	

Subject Name

Acc 1

Subject I.D.

Operator Name, I.D.

Jimmy L. Cleveland

Location

2920 N. Shamrock

Jefferson City

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD 00277

Temp	Date	Time	s/	210L
Air Blank:				
	09/26/24	09:33	.000	
Calibration Check:				
	26 09/26/24	09:33	.100	

Subject Name

Acc 2

Subject I.D.

Operator Name, I.D.

Jimmy L. Cleveland

Location

2920 N. Shamrock

Jefferson City

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD 00278

Temp	Date	Time	s/	210L
Air Blank:				
	09/26/24	09:39	.000	
Calibration Check:				
	27 09/26/24	09:39	.099	

Subject Name

Acc 3

Subject I.D.

Operator Name, I.D.

Jimmy L. Cleveland

Location

2920 N. Shamrock

Jefferson City

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD - REPRINT

TEST RECORD 00280

Temp	Date	Time	s/	210L
VOID: RFI				
	12 09/26/24	09:44		

Subject Name

RFI Test

Subject I.D.

Operator Name, I.D.

Jimmy L. Cleveland

Location

2920 N. Shamrock

Jefferson City



## 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

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**PERMIT  
 TYPE II**

**JIMMY L. CLEVELAND**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and re 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 sec 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 5/3/2023

NUMBER 230082

EXPIRES 5/3/2025

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula J. Nickelson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4

MO 580-0771 (6-10)



**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 CLEVELAND, JIMMY  
 Permit No 230082  
 Date Issued 5/3/2023 Date Expires 5/3/2025

