



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 087978	NAME OF AGENCY Owensville PD	DATE OF INSPECTION 12/18/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 780 West Highway 28 Owensville		TIME OF INSPECTION 1:11 pm

**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 # 24110 EXP. DATE 03/05/2026
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.98 SIM. SN MP 7058 SIM. NIST EXP DATE 10/07/2025
- 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  .103	TEST 2  .102	TEST 3  .103
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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	(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).

Instrument operating satisfactorily and within established limits.

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME Jonathan Scott Griffith
TYPE II PERMIT NUMBER/EXPIRATION DATE 230060/04-02-2025	TELEPHONE NUMBER (573) 437-2195

**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: 087978  
Version no: 532B

TEST RECORD 00837

Temp Date Time 210L  
s/

Air Blank:  
12/18/24 13:11 .000  
Subject Test: Auto  
21 12/18/24 13:11 .000

Subject Name

Subject I.D.

Blank Test

Operator Name, I.D.

GRIFFITH 101

Location

Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00838

Temp Date Time 210L  
s/

Air Blank:  
12/18/24 13:14 .000  
Calibration Check:  
21 12/18/24 13:14 .103

Subject Name

Subject I.D.

Check 1

Operator Name, I.D.

GRIFFITH 101

Location

Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00839

Temp Date Time 210L  
s/

Air Blank:  
12/18/24 13:16 .000  
Calibration Check:  
22 12/18/24 13:16 .102

Subject Name

Subject I.D.

Check 2

Operator Name, I.D.

GRIFFITH 101

Location

Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00840

Temp Date Time 210L  
s/

Air Blank:  
12/18/24 13:19 .000  
Calibration Check:  
22 12/18/24 13:19 .103

Subject Name

Subject I.D.

Check 3

Operator Name, I.D.

GRIFFITH 101

Location

Owensville PD

AS IV Serial no: 087978  
Version no: 532B

TEST RECORD 00841

Temp Date Time 210L  
s/

VOID: RFI  
12 12/18/24 13:21

Subject Name

Subject I.D.

Check-RFI

Operator Name, I.D.

GRIFFITH 101

Location

Owensville PD





**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 **24110** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 6, 2024**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1215%** (w/vol) ethyl alcohol. The expiration date for this lot number is **March 5, 2026** 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

JONATHAN S. GRIFFITH

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

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 208.111 through 208.119 RSMo.

DATE: 4/2/2023

NUMBER 230060

EXPIRES 4/2/2025

MO 496-471 (8-10)

MISSOURI  
DIVISION OF STATE PUBLIC HEALTH LABORATORY

MISSOURI  
DIVISION OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (9-8-8)

STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

**INSTRUMENT OPERATOR CARD**

The named cardholder is authorized to operate any evidential breath alcohol instrument for the determination of the alcoholic content in breath from expired air in Missouri.

Operator: GRIFFITH, JONATHAN  
Permit No: 230060  
Date Issued: 4/2/2023 Date Expires: 4/2/2025

