



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 108392	PRINTER SN 099,3586.814	DATE OF INSPECTION 10/09/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th St. Cottleville MO 63304		TIME OF INSPECTION 2:57 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 # 21080                    EXP. DATE 03/08/2023
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C            SIMULATOR SN MP4952            SIMULATOR EXP DATE 07/12/2022
- 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 → .100	TEST 2 → .099	TEST 3 → .100
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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     1	(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).

**INSPECTING OFFICER**

SIGNATURE <i>Richard Phillips</i>	PRINT NAME Richard Phillips
TYPE II PERMIT NUMBER/EXPIRATION DATE 200079 02-06-2022	TELEPHONE NUMBER (636) 498-6464

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901



**Missouri Department of Health and Senior Services**

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010  
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466

**Donald G. Kauerauf**  
Director



**Michael L. Parson**  
Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

**Simulator Serial Number:** MP4952      **Manufacturer:** Guth  
**Model Number:** 12V500  
**Agency:** COTTLEVILLE PD  
**Agency Address:** 5490 FIFTH STREET, COTTLEVILLE, MO 63304

## NIST THERMOMETER INFORMATION

**Serial Number:** 17KMM00690      **Bias:** 0.00  
**Uncertainty:** 0.02  
**Date of Certification:** 11/6/2020      **Date of Expiration:** 11/6/2021

## ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

## VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
34.01	34.01	.02

The combined uncertainty is calculated with a k=2 value.

## ADJUSTMENT RESULTS

No adjustment was needed.

**Date of testing:** 7/12/2021  
**Certification Expiration:** 7/12/2022  
**Simulator testing technician:** D. DEBOARD

**Notes on Condition:** none

**Deviation(s) from method:** none

**DHSS BAP Scientist Approving:** B. LUTMER

**Certification No:** MP4952\_7122021

X *Brian Lutmer*

DHSS BAP Scientist Approving

**GUTH LABORATORIES, INC.**

590 NORTH 87th STREET • HARRISBURG, PA 17111-4611 • TELEPHONE: 717-564-5470

**CERTIFICATE OF ANALYSIS**

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 21080 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on March 10, 2021, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1214% (w/vol) ethyl alcohol. The expiration date for this lot number is March 8, 2023 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 FN03052002 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.*

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00743

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

Air Blank:  
10/09/21 14:57 .000  
Calibration Check:  
21 10/09/21 14:57 .100

Subject Name

TEST 1

Subject I.D.

200079

Operator Name, I.D.

RICK PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00744

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

Air Blank:  
10/09/21 14:59 .000  
Calibration Check:  
22 10/09/21 14:59 .099

Subject Name

TEST 2

Subject I.D.

200079

Operator Name, I.D.

RICK PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00745

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

Air Blank:  
10/09/21 15:00 .000  
Calibration Check:  
22 10/09/21 15:00 .100

Subject Name

TEST 3

Subject I.D.

200079

Operator Name, I.D.

RICK PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00746

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

VOID: RFI  
12 10/09/21 15:02

Subject Name

RFI TEST

Subject I.D.

200079

Operator Name, I.D.

RICK PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00747

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

Air Blank:  
10/09/21 15:03 .000  
Subject Test: Auto  
24 10/09/21 15:03 .000

Subject Name

ZERO TEST

Subject I.D.

200079

Operator Name, I.D.

RICK PHILLIPS 468

Location

BOOKING ROOM



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



**PERMIT  
TYPE II**

**RICHARD PHILLIPS**

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 306.111 through 306.119 RSMo.

DATE 2/6/2020

NUMBER 200079

EXPIRES 2/6/2022

MO 580-0771 (6-10)

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DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (118-10)

 **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 PHILLIPS, RICHARD  
Permit No 200079  
Date Issued 2/6/2020 Date Expires 2/6/2022

