



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 09/30/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th St. Cottleville MO 63304		TIME OF INSPECTION 5:54 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 # 19370 EXP. DATE 12/09/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIMULATOR SN MP4952 SIMULATOR EXP DATE 07/14/2021

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 ← .098

TEST 3 ← .098

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	2	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	3
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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).

Test record 679 was inadvertently done as an Auto test. Test number 679, 678 and 670 were done as calibration checks.

**INSPECTING OFFICER**

SIGNATURE

▶

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

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00678

Temp Date Time 210L

Air Blank:  
09/30/20 17:54 .000  
Calibration Check:  
23 09/30/20 17:54 .099

Subject Name

TEST 1

Subject I.D.

200079

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00680

Temp Date Time 210L

Air Blank:  
09/30/20 17:57 .000  
Calibration Check:  
24 09/30/20 17:57 .098

Subject Name

TEST 2

Subject I.D.

200079

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00681

Temp Date Time 210L

Air Blank:  
09/30/20 17:59 .000  
Calibration Check:  
25 09/30/20 17:59 .098

Subject Name

TEST 3

Subject I.D.

200079

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00682

Temp Date Time 210L

VOID: RFI  
12 09/30/20 18:00

Subject Name

RFI TEST

Subject I.D.

200079

Operator Name, I.D.

R PHILLIPS

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00683

Temp Date Time 210L

Air Blank:  
09/30/20 18:02 .000  
Subject Test: Auto  
25 09/30/20 18:02 .000

Subject Name

ZERO TEST

Subject I.D.

200079

Operator Name, I.D.

R PHILLIPS

Location

BOOKING ROOM

AS IV Serial no: 108392  
Version no: 532B

TEST RECORD 00679

Temp Date Time 210L

Air Blank:  
09/30/20 17:55 .000  
Subject Test: Auto  
23 09/30/20 17:55 .098

Subject Name

ZERO TEST

Subject I.D.

200079

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

**GUTH LABORATORIES, INC.**

690 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-664-5470

**CERTIFICATE OF ANALYSIS****Certified Alcohol Reference Solution for Simulator**

Random Samples of Lot Number **19370** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 10, 2019**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1199%** (w/vol) ethyl alcohol. The expiration date for this lot number is **December 9, 2021** 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 FN04271602 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.*



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  
Randall W. Williams, MD, FACOG  
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: 17KMM00689      Bias: 0.00  
Uncertainty: 0.02  
Date of Certification: 1/23/2020      Date of Expiration: 1/23/2021

## 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>
33.99	34.00	.03

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 7/14/2020  
Certification Expiration: 7/14/2021  
Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER  
Certification No: MP4952\_7142020

X *Brian Lutmer*

DHSS BAP Scientist Approving



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

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MD 580-0771 (8-10)

LAB-4 (RB-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

