



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 12/31/2023 |
| LOCATION OF INSTRUMENT (STREET AND CITY) 5490 5th St. Cottleville MO 63304 | | TIME OF INSPECTION 3:54 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 # 22310 EXP. DATE 08/11/2024
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34C SIMULATOR SN MP4952 SIMULATOR EXP DATE 07/12/2024

- 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 \Rightarrow .098 | TEST 2 \Rightarrow .098 | TEST 3 \Rightarrow .097 |
|---------------------------|---------------------------|---------------------------|

- 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) | 1 |
|----------|---|---------|---|-----------|---|-----------|---|-----------|---|------------|---|

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 ▶ | PRINT NAME Richard Phillips |
| TYPE II PERMIT NUMBER/EXPIRATION DATE 220110 04-14-2024 | 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 00970

Temp Date Time 210L

Air Blank:
12/31/23 15:52 .000
Calibration Check:
22 12/31/23 15:52 .098

Subject Name

TEST 1

Subject I.D.

220110

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392
Version no: 532B

TEST RECORD 00971

Temp Date Time 210L

Air Blank:
12/31/23 15:54 .000
Calibration Check:
23 12/31/23 15:54 .098

Subject Name

TEST 2

Subject I.D.

220110

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392
Version no: 532B

TEST RECORD 00972

Temp Date Time 210L

Air Blank:
12/31/23 15:55 .000
Calibration Check:
24 12/31/23 15:55 .097

Subject Name

TEST 3

Subject I.D.

220110

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392
Version no: 532B

TEST RECORD 00973

Temp Date Time 210L

VOID: RFI
12 12/31/23 15:56

Subject Name

RFI TEST

Subject I.D.

220110

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

AS IV Serial no: 108392
Version no: 532B

TEST RECORD 00974

Temp Date Time 210L

Air Blank:
12/31/23 15:58 .000
Subject Test: Auto
25 12/31/23 15:58 .000

Subject Name

2570 TEST

Subject I.D.

220110

Operator Name, I.D.

R PHILLIPS 468

Location

BOOKING ROOM

**GUTH LABORATORIES, INC.**

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-584-6470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **22310** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **August 16, 2022**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1205%** (w/vol) ethyl alcohol. The expiration date for this lot number is **August 11, 2024** 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 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.


Missouri Department of Health and Senior Services

 P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6409 FAX: 573-751-6010
 RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466

 Paula Nickelson
 Acting Director

 Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP4952 **Manufacturer:** Guth
Model Number: 12V500
Agency: COTTLEVILLE PD
Agency Address: 5377 STATE HIGHWAY N, COTTLEVILLE, MO 63304

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 **Bias:** 0.00
Uncertainty: 0.02
Date of Certification: 10/24/2022 **Date of Expiration:** 10/24/2023

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 | 34.01 | .04 |

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 7/12/2023
Certification Expiration: 7/12/2024
Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO

Certification No: MP4952_7122023

X *Brianna Medrano*

DHSS BAP Scientist Approving

Simulator Calibration Certification

Issued by Lab Manager, DHSS BAP

Revision Date: 06/25/2022

Breath Alcohol Program

1903 Northwood Drive, Suite 4

Poplar Bluff, MO 63901

DHSS BAP Document 3.6A

Revision 2

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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 4/14/2022

NUMBER 220110

EXPIRES 4/14/2024

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (8-10)

LAB-4 (16-10)

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 220110
Date Issued 4/14/2022 Date Expires 4/14/2024