



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 097417 | NAME OF AGENCY Warrenton Police Department | DATE OF INSPECTION 04/22/2024 |
| LOCATION OF INSTRUMENT (STREET AND CITY) 200 West Booneslick Road Warrenton, Missouri 63383 | | TIME OF INSPECTION 8:16 am |

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, Inc. LOT # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.02 SIM. SN MP3585 SIM. NIST EXP DATE 01/30/2025

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 \blacktriangleleft .099

TEST 2 \blacktriangleleft .099

TEST 3 \blacktriangleleft .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 | (0-.04) | (.05-.09) | (.10-.14) | (.15-.19) | (OVER .19) |
|----------|---------|-----------|-----------|-----------|------------|

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).

While completing the RFI detection test, the AS-IV detected RFI properly but, a ticket did not print. A subsequent test was completed, where the ticket was printed. The memory was printed, which shows during test 0675 RFI was detected at 0826 hours.

INSPECTING OFFICER

SIGNATURE

PRINT NAME
 Det. James R. Plackemeier, DSN 224

TYPE II PERMIT NUMBER/EXPIRATION DATE
 230326 / 12/21/2025

TELEPHONE NUMBER
 (636) 456-3535

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: 097417
Version no: 532B

TEST RECORD - REPRINT

TEST RECORD 00673

Temp Date Time 210L
s/

Air Blank: 04/22/24 08:20 .000
Calibration Check: 21 04/22/24 08:20 .099

Subject Name
Maint Check
Subject I.D.
Test 2
Operator Name, I.D.
Det. Plackemeier, z24
Location
Warrenton PD

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00674

TEST RECORD 00674

Temp Date Time 210L
s/

Air Blank: 04/22/24 08:24 .000
Calibration Check: 23 04/22/24 08:24 .098

Subject Name
Maint Check
Subject I.D.
Test 3
Operator Name, I.D.
Det. Plackemeier z24
Location
Warrenton PD

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00676

TEST RECORD 00676

Temp Date Time 210L
s/

VOID: RFI
12 04/22/24 08:26

Subject Name
Maint Check
Subject I.D.
RFI / Test 5
Operator Name, I.D.
Det. Plackemeier, z24
Location
Warrenton PD

AS IV Serial no: 097417
Version no: 532B
Last Calibration: 12/19/23 08:51 .100
Test Results:

00663 Calibration Check: 22 02/19/24 09:27 .098
00664 Calibration Check: 23 02/19/24 09:35 .099
00665 Calibration Check: 24 02/19/24 09:38 .099
00666 VOID: RFI
12 02/19/24 09:42
00667 Calibration Check: 21 03/21/24 07:04 .099
00668 Calibration Check: 22 03/21/24 07:08 .096
00669 Calibration Check: 22 03/21/24 07:15 .099
00670 VOID: RFI
12 03/21/24 07:21
00671 Subject Test: Auto
20 03/25/24 23:00 .179
00672 Calibration Check: 20 04/22/24 08:16 .099
00673 Calibration Check: 00.0 Lit, 00.0 Sec.
21 04/22/24 08:20 .099
00674 Calibration Check: 00.0 Lit, 00.0 Sec.
23 04/22/24 08:24 .098
00675 VOID: RFI
12 04/22/24 08:26
00676 VOID: RFI
12 04/22/24 08:26
00.0 Lit, 00.0 Sec.



Paula Nickelson
 Acting Director

Michael L. Parson
 Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP3585 **Manufacturer:** Guth
Model Number: 12V500
Agency: WARRENTON PD
Agency Address: 200 W BOONESLICK ROAD., WARRENTON, MO 63383

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 **Bias:** 0.00
Uncertainty: 0.02
Date of Certification: 10/27/2023 **Date of Expiration:** 10/27/2024

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> |
|--------------------------|---------------------|-----------------------------|
| 34.00 | 34.01 | .03 |

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 1/30/2024
Certification Expiration: 1/30/2025
Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
Certification No: MP3585_1302024

X *Brianna Medrano*

DHSS BAP Scientist Approving



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**

JAMES PLACKEMEIER

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 12/21/2023

NUMBER 230326

EXPIRES 12/21/2025

Mike Masom

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

David J. Nicholson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)



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 PLACKEMEIER, JAMES
 Permit No 230326
 Date Issued 12/21/2023 Date Expires 12/21/2025

