



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 06/24/2024
LOCATION OF INSTRUMENT (STREET AND CITY) 200 West Booneslick Road Warrenton, Missouri 63383		TIME OF INSPECTION 2:21 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, Inc. LOT # 23390 EXP. DATE 10/17/2025

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 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 .095	TEST 2 .099	TEST 3 .099
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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)	1	(.05-.09)	0	(.10-.14)	2	(.15-.19)	1	(OVER .19)	1
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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).

Time was adjusted (was fast by approximately 20 minutes), Battery on AS-IV was changed.

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 00759 ^{sv}

Temp Date Time 210L
Air Blank: 06/24/24 14:21 .000
Calibration Check: 22 06/24/24 14:21 .095

Subject Name Test 1
Subject I.D. Maint Report
Operator Name, I.D. Det. Plackemeier, 224
Location Warrenton PD

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00760 ^{sv}

Temp Date Time 210L
Air Blank: 06/24/24 14:23 .000
Calibration Check: 23 06/24/24 14:23 .099

Subject Name Test 2
Subject I.D. Maint Report
Operator Name, I.D. Det. J. Plackemeier, 224
Location Warrenton PD

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00761 ^{sv}

Temp Date Time 210L
Air Blank: 06/24/24 14:25 .000
Calibration Check: 24 06/24/24 14:25 .099

Subject Name Test 3
Subject I.D. Maint Report
Operator Name, I.D. Det. J. Plackemeier, 224
Location Warrenton PD

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00762 ^{sv}

Temp Date Time 210L
VOID: RFI
12 06/24/24 14:28

Subject Name RFI-Test 4
Subject I.D. Maint Report
Operator Name, I.D. Det. J. Plackemeier, 224
Location Warrenton PD



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

Table with 3 columns: Simulator Average (34.00), NIST Average (34.01), Combined Uncertainty (.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 [Signature]

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

2

**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 Massum

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Dave J. Nielson

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 530-0771 (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**

