



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
 STATE PUBLIC HEALTH LABORATORY
ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED
 By Tracy Crews at 7:27 am, Aug 18, 2023

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 08/13/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 200 West Booneslick Road, Warrenton, MO 63383		TIME OF INSPECTION 6:00 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

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Guth Laboratories</u>	LOT # <u>22430</u> EXP. DATE <u>11/30/2023</u>
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.00</u>	SIM. SN <u>MP3585</u> SIM. NIST EXP DATE <u>02/03/2024</u>

- 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 .099	TEST 3 .098
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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)	4
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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 207	PRINT NAME Michael Kavanaugh
TYPE II PERMIT NUMBER/EXPIRATION DATE 230017 exp: 01/31/2025	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 00625 %/
Temp Date Time 210L

Air Blank: 08/13/23 06:06 .000
Calibration Check: 21 08/13/23 06:06 .099
Subject Name

Test #1
Subject I.D.

Maint. Check
Operator Name, I.D.
Sgt. Keay 207
Location
Warrenton Police

Department

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00626 %/
Temp Date Time 210L

Air Blank: 08/13/23 06:09 .000
Calibration Check: 21 08/13/23 06:09 .099
Subject Name

Test #2
Subject I.D.

Maint. Check
Operator Name, I.D.
Sgt. Keay 207
Location
Warrenton Police

Department

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00627 %/
Temp Date Time 210L

Air Blank: 08/13/23 06:11 .000
Calibration Check: 22 08/13/23 06:11 .098
Subject Name

Test #3
Subject I.D.

Maint. Check
Operator Name, I.D.
Sgt. Keay 207
Location
Warrenton Police

Department

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00628 %/
Temp Date Time 210L

VOID: RFI 12 08/13/23 06:13
Subject Name

Test #4 RFI
Subject I.D.

Maint. Check
Operator Name, I.D.
Sgt. Keay 207
Location
Warrenton Police

Department



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: 10/24/2022 Date of Expiration: 10/24/2023

ENVIRONMENTAL CONDITIONS

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

VERIFICATION RESULTS

Table with 3 columns: Simulator Average (34.01), NIST Average (34.02), Combined Uncertainty (.03)

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 2/3/2023
Certification Expiration: 2/3/2024
Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none
Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
Certification No: MP3585_232023

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 **22430** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 1, 2022**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1216%** (w/vol) ethyl alcohol. The expiration date for this lot number is **November 30, 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.



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



**PERMIT
TYPE II**

MICHAEL KAVANAUGH

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 1/31/2023

NUMBER 230017

EXPIRES 1/31/2025

Mike Massman

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula J. Nickelson

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 KAVANAUGH, MICHAEL
Permit No 230017
Date Issued 1/31/2023 **Date Expires** 1/31/2025

