



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 07/01/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 200 West Booneslick Road, Warrenton, Missouri 63383		TIME OF INSPECTION 12:05 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 LOT # 21380 EXP. DATE 09/13/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIM. SN MP3585 SIM. NIST EXP DATE 02/03/2023

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 .104

TEST 2 .103

TEST 3 .103

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) 1	(.15-.19) 1	(OVER .19)
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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).

Had to adjust time.

INSPECTING OFFICER

SIGNATURE 207

PRINT NAME
Michael Kavanaugh

TYPE II PERMIT NUMBER/EXPIRATION DATE
210018 exp: 02/03/2023

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 00481 s/
Temp Date Time 210L

Air Blank: 07/01/22 00:06 .000
Calibration Check: 22 07/01/22 00:06 .104

Subject Name
Test # 2
Subject I.D.

Maint. Report
Operator Name, I.D.
Sgt. Kavanagh
Location
Warrenton Police

Department

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00482 s/
Temp Date Time 210L

Air Blank: 07/01/22 00:08 .000
Calibration Check: 23 07/01/22 00:08 .103

Subject Name
Test # 2
Subject I.D.

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

Department

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00483 s/
Temp Date Time 210L

Air Blank: 07/01/22 00:10 .000
Calibration Check: 23 07/01/22 00:10 .103

Subject Name
Test # 3
Subject I.D.

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

Department

AS IV Serial no: 097417
Version no: 532B

TEST RECORD 00484 s/
Temp Date Time 210L

VOID: RFI
12 07/01/22 00:11

Subject Name
Test # 4 (RFI)
Subject I.D.

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

Department

AS IV Serial no: 097417
Version no: 532B
TEST RECORD 00485 s/
Temp Date Time 210L

Air Blank: 07/01/22 00:13 .000
Subject Test: Auto 24 07/01/22 00:13 .000

Subject Name
Test # 5
Self
Subject I.D.

Maint. Check
Operator Name, I.D.
Sgt. Kavanagh
Location

Warrenton Police
Department



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

Richard W. Moore
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:** 0.01
Uncertainty: 0.02
Date of Certification: 11/10/2021 **Date of Expiration:** 11/10/2022

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	34.02	.05

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 2/7/2022
Certification Expiration: 2/7/2023
Simulator testing technician: R. SCHILDKNECHT

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
Certification No: MP3585_272022

X

DHSS BAP Scientist Approving



GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-684-6470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 20420 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 23, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1208% (w/vol) ethyl alcohol. The expiration date for this lot number is September 22, 2022 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 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

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**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 2/3/2021

NUMBER 210018

EXPIRES 2/3/2023

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R9-10)

MO 580-0771 (8-10)

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 alcohol content in breath form of expired air in Missouri.

Operator **KAVANAUGH, MICHAEL**
Permit No **210018**
Date Issued **2/3/2021** Date Expires **2/3/2023**