



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 100291	NAME OF AGENCY Willow Springs Police Department	DATE OF INSPECTION 04/11/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 700 W Main Street, Willow Springs MO		TIME OF INSPECTION 7:29 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 # 21080 EXP. DATE 03/08/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.99 SIM. SN MP5539 SIM. NIST EXP DATE 10/13/2022

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  .102	TEST 2  .102	TEST 3  .102
--------------	--------------	--------------

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)	0
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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).

Reset Time for DST

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Wes Ellison
TYPE II PERMIT NUMBER/EXPIRATION DATE #210025 Exp 02/20/2023	TELEPHONE NUMBER (417) 469-3158

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.



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

2

**PERMIT**  
**TYPE II**  
**WES ELLISON**

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, INTOX DMT**

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 2/20/2021

NUMBER 210025

EXPIRES 2/20/2023

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

**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 **ELLISON, WES**  
 Permit No **210025**  
 Date Issued **2/20/2021**    Date Expires **2/20/2023**



## 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 21080 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on March 10, 2021, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1214% (w/vol) ethyl alcohol. The expiration date for this lot number is March 8, 2023 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.*



# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

Simulator Serial Number: MP5539      Manufacturer: Guth  
 Model Number: 12V500  
 Agency: WILLOW SPRINGS PD  
 Agency Address: 700 W MAIN ST, PO BOX 190, WILLOW SPRINGS, MO 65793

## NIST THERMOMETER INFORMATION

Serial Number: 17KMM00689      Bias: 0.00  
 Uncertainty: 0.02  
 Date of Certification: 12/15/2020      Date of Expiration: 12/15/2021

## 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	34.00	.03

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 10/13/2021  
 Certification Expiration: 10/13/2022  
 Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO  
 Certification No: MP5539\_10132021

DHSS BAP Scientist Approving

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00633

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/11/22 07:29 .000  
Calibration Check:  
23 04/11/22 07:29 .102

Subject Name

TEST #1

Subject I.D.

ELLISON

Operator Name, I.D.

# 210025

Location

Willow Springs PD

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00634

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/11/22 07:34 .000  
Calibration Check:  
24 04/11/22 07:34 .102

Subject Name

TEST #2

Subject I.D.

ELLISON

Operator Name, I.D.

# 210025

Location

Willow Springs PD

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00635

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
04/11/22 07:39 .000  
Calibration Check:  
25 04/11/22 07:39 .102

Subject Name

TEST #3

Subject I.D.

ELLISON

Operator Name, I.D.

# 210025

Location

Willow Springs PD

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00636

Temp Date Time <sup>s/</sup> 210L

VOID: RFI  
12 04/11/22 07:42

Subject Name

RFI

Subject I.D.

ELLISON

Operator Name, I.D.

# 210025

Location

Willow Springs PD