



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY

**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**

By Tracy Crews at 8:04 am, Oct 26, 2020

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	PRINTER SN 093.3563.019	DATE OF INSPECTION 10/23/2020
LOCATION OF INSTRUMENT (STREET AND CITY) Willow Springs Police Department		TIME OF INSPECTION 12:58 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 LOT # 19160 EXP. DATE 07/09/2021

☒ SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIMULATOR SN MP5539 SIMULATOR EXP DATE 08/28/2021

☒ 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 .098

TEST 2 .098

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

PRINT NAME  
Wes Ellison

TYPE II PERMIT NUMBER/EXPIRATION DATE  
#290080 04/16/2021

TELEPHONE NUMBER  
(417) 469-3158

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901



**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 **19160** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **July 10, 2019**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1202%** (w/vol) ethyl alcohol. The expiration date for this lot number is **July 9, 2021** 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 FN04271602 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.*



**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

**Randall W. Williams, MD, FACOG**  
Director



**Michael L. Parson**  
Governor

## **SIMULATOR CERTIFICATION REPORT**

### **SIMULATOR INFORMATION**

**Simulator Serial Number:** MP5539 **Manufacturer:** Guth

**Model Number:** 12V500

**Agency:** WILLOW SPRINGS PD

**Agency Address:** 123 E MAIN ST, WILLOW SPRINGS, MO 65793

### **NIST THERMOMETER INFORMATION**

**Serial Number:** 17KMM00690 **Bias:** 0.00

**Uncertainty:** 0.02

**Date of Certification:** 10/10/2019 **Date of Expiration:** 10/10/2020

### **ENVIRONMENTAL CONDITIONS**

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

### **VERIFICATION RESULTS**

**Simulator Average**

34.00

**NIST Average**

34.00

**Combined Uncertainty**

.02

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

### **ADJUSTMENT RESULTS**

No adjustment was needed.

**Date of testing:** 8/28/2020

**Certification Expiration:** 8/28/2021

**Simulator testing technician:** M. BOND

**Notes on Condition:** none

**Deviation(s) from method:** none

**DHSS BAP Scientist Approving:** B. LUTMER

**Certification No:** MP5539\_8282020

X *Brian Lutmer*

DHSS BAP Scientist Approving



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 4/16/2019

NUMBER 290080

EXPIRES 4/16/2021

MO 580-0771 (6-10)

  
DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

  
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

	STATE OF MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES BREATH ALCOHOL PROGRAM
	<b>INSTRUMENT OPERATOR CARD</b>
<small>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.</small>	
Operator ELLISON, WES	
Permit No 290080	
Date Issued 4/16/2019 Date Expires 4/16/2021	
	

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00492

Temp Date Time 210L

Air Blank:  
10/23/20 12:58 .000  
Calibration Check:  
27 10/23/20 12:58 .098

Subject Name

TEST 1

Subject I.D.

#290080

Operator Name, I.D.

W. Ellison

Location

Willow Springs

Police

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00493

Temp Date Time 210L

Air Blank:  
10/23/20 13:00 .000  
Calibration Check:  
27 10/23/20 13:00 .098

Subject Name

TEST 2

Subject I.D.

#290080

Operator Name, I.D.

W. Ellison

Location

Willow Springs

Police

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00494

Temp Date Time 210L

Air Blank:  
10/23/20 13:03 .000  
Calibration Check:  
27 10/23/20 13:03 .098

Subject Name

TEST #3

Subject I.D.

#290080

Operator Name, I.D.

W. Ellison

Location

Willow Springs

Police

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00495

Temp Date Time 210L

VOID: RFI  
12 10/23/20 13:05

Subject Name

RFI

Subject I.D.

#290080

Operator Name, I.D.

W. Ellison

Location

Willow Springs

Police