



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

**RECEIVED**  
 By Tracy Crews at 8:19 am, Jul 13, 2021

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 07/12/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 700 W. Main St. Willow Springs		TIME OF INSPECTION 3:01 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 RepCo Marketing Co. LOT # 19002 EXP. DATE 10/16/2021
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34 SIM. SN MP5539 SIM. NIST 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  .105	TEST 2  .104	TEST 3  .105
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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	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 #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.

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00610  
Temp Date Time 210L

Air Blank: 07/12/21 15:01 .000  
Calibration Check: 22 07/12/21 15:01 .105

Subject Name

TEST 1

Subject I.D.

# 210025

Operator Name, I.D.

W. ELLISON

Location

WILLOW SPRINGS PD

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00611  
Temp Date Time 210L

Air Blank: 07/12/21 15:05 .000  
Calibration Check: 23 07/12/21 15:05 .104

Subject Name

TEST #2

Subject I.D.

# 210025

Operator Name, I.D.

W. ELLISON

Location

WILLOW SPRINGS PD

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00612  
Temp Date Time 210L

Air Blank: 07/12/21 15:08 .000  
Calibration Check: 23 07/12/21 15:08 .105

Subject Name

TEST #3

Subject I.D.

# 210025

Operator Name, I.D.

W. ELLISON

Location

WILLOW SPRINGS PD

AS IV Serial no: 100291  
Version no: 532B

TEST RECORD 00613  
Temp Date Time 210L

VOID: RFI  
12 07/12/21 15:11

Subject Name

RFI

Subject I.D.

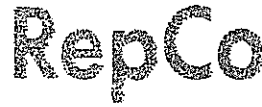
# 210025

Operator Name, I.D.

W. ELLISON

Location

WILLOW SPRINGS PD



RepCo Marketing Co  
3101-188 Stony Brook Drive  
Raleigh, NC 27604  
888-828-0227

**CERTIFICATE OF ANALYSIS**

**MANUFACTURER AND SUPPLIER: RepCo Marketing Co.**  
**LOT NUMBER: 19002**  
**EXPIRATION DATE: October 16, 2021 at 11:59 p.m.**

RepCo Marketing Co. certifies the following:


RepCo Marketing Co. prepared, tested and supplied Lot Number 19002 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. Random samples were analyzed by Alcohol Countermeasure Systems utilizing a gas chromatograph and found to contain .1231 gms/dl +/- .003 gms/dl wt/vol ethanol (95% Confidence).

The alcohol and distilled water used in the solution were found to be free of any interfering substance.

This solution will produce a vapor alcohol value of .100 +/-3% gms/210L breath when heated to 34 Degrees Celsius +/-0.2 Degrees Celsius in a simulator (95% Confidence).

The date of manufacture for this lot number is October 17, 2019 The expiration date for this lot number is October 16, 2021 at 11:59 p.m.

This document is a true representation of the original Certificate of Analysis.

  
Alma Palmer, Operations Manager  
RepCo Marketing Co.



# 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

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
34.00	34.00	.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

DESS 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



**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**