



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

**RECEIVED**  
 By Tracy Crews at 8:49 am, Sep 09, 2022

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 107982	NAME OF AGENCY MSHP	DATE OF INSPECTION 09/02/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 201 S. Franklin Street. Kirksville, MO 63501		TIME OF INSPECTION 10:02 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 Inc.      LOT # 22001-21001 EXP. DATE 06/16/2023

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 33.99      SIM. SN MP2519      SIM. NIST EXP DATE 05/05/2023

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 ← 0.096	TEST 2 ← 0.098	TEST 3 ← 0.098
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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)	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).

Printer ran out of battery while printing RFI test slip. RFI was tested a second time after plugging printer in to power supply.

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME MSgt G. L. Gaines, #801
TYPE II PERMIT NUMBER/EXPIRATION DATE 220040 02/10/2024	TELEPHONE NUMBER (660) 385-2132

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

SEP 02 2022

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00780 s/

Temp Date Time 210L

VOID: RFI

12 09/02/22 22:14

Subject Name

RFI

Subject I.D.

Operator Name, I.D.

MSGT G.L. GARNES #2200040

Location

201 S. FRANKLIN ST.,

KIRKSVILLE, MO

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00778 s/

Temp Date Time 210L

Air Blank:

09/02/22 22:09 .000

Calibration Check:

22 09/02/22 22:09 .098

Subject Name

TEST #3

Subject I.D.

Operator Name, I.D.

MSGT G.L. GARNES #2200040

Location

201 S. FRANKLIN ST.,

KIRKSVILLE, MO

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00777 s/

Temp Date Time 210L

Air Blank:

09/02/22 22:06 .000

Calibration Check:

21 09/02/22 22:06 .098

Subject Name

TEST #2

Subject I.D.

Operator Name, I.D.

MSGT G.L. GARNES #2200040

Location

201 S. FRANKLIN ST.,

KIRKSVILLE, MO

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00776 s/

Temp Date Time 210L

Air Blank:

09/02/22 22:05 .000

Calibration Check:

20 09/02/22 22:05 .096

Subject Name

TEST #1

Subject I.D.

Operator Name, I.D.

MSGT G.L. GARNES #2200040

Location

201 S. FRANKLIN ST.,

KIRKSVILLE, MO



Paula Nickelson  
 Acting Director

Michael L. Parson  
 Governor

# SIMULATOR CERTIFICATION REPORT

## SIMULATOR INFORMATION

Simulator Serial Number: MP2519      Manufacturer: Guth  
 Model Number: 12V500  
 Agency: MSHP (GHQ)  
 Agency Address: 1510 E ELM ST, JEFFERSON CITY, MO 65101

## NIST THERMOMETER INFORMATION

Serial Number: 306168      Bias: 0.00  
 Uncertainty: 0.02  
 Date of Certification: 11/2/2021      Date of Expiration: 11/2/2022

## 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>
33.99	34.02	.06

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 5/5/2022  
 Certification Expiration: 5/5/2023  
 Simulator testing technician: J. CLEVELAND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO  
 Certification No: MP2519\_552022

X

DHSS BAP Scientist Approving

RepCo Marketing Co  
3101-188 Stony Brook Drive  
Raleigh, NC 27604  
919-876-5480

## CERTIFICATE OF ANALYSIS

**MANUFACTURER AND SUPPLIER: RepCo Marketing Co.**  
**LOT NUMBER: 21001**  
**EXPIRATION DATE: June 16, 2023 at 11:59 p.m.**

RepCo Marketing Co. certifies the following:


RepCo Marketing Co. prepared, tested and supplied Lot Number 21001 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 .1222 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 June 17, 2021 The expiration date for this lot number is June 16, 2023 at 11:59 p.m.

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



Alma Palmer, Operations Manager  
RepCo Marketing Co.



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

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**PERMIT**  
**TYPE II**  
**GRAYDON L. GAINES**

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 2/10/2022

NUMBER 220040

EXPIRES 2/10/2024

*Paula S. Day*  
 DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Graydon L. Gaines*, acting director  
 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 GAINES, GRAYDON  
 Permit No 220040  
 Date Issued 2/10/2022 Date Expires 2/10/2024

