



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 107982	NAME OF AGENCY MSHP	DATE OF INSPECTION 05/03/2022
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LOCATION OF INSTRUMENT (STREET AND CITY) 201 S. Franklin Street, Kirksville, MO 63501	TIME OF INSPECTION 8:04 pm
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**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**

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>RepCo Marketing Inc.</u> LOT # <u>20001</u> EXP. DATE <u>10/07/2022</u>	
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>33.99</u> SIM. SN <u>MP2519</u> SIM. NIST EXP DATE <u>05/05/2022</u>	

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 ← 0.101	TEST 2 ← 0.101	TEST 3 ← 0.101
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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)	1	(.05-.09)	0	(.10-.14)	1	(.15-.19)	1	(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).

<b>INSPECTING OFFICER</b>	
SIGNATURE 	PRINT NAME Msgrt 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.

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00751  
Temp Date Time 210L

Air Blank: 05/03/22 20:04 .000  
Calibration Check: 21 05/03/22 20:04 .101

Subject Name  
TEST #1  
Subject I.D.

Operator Name, I.D.  
MSGT G.L. GARNES #220040  
Location

201 S. FRANKLIN ST.,  
KERRSVILLE, MO

*[Signature]* #001

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00752  
Temp Date Time 210L

Air Blank: 05/03/22 20:07 .000  
Calibration Check: 22 05/03/22 20:07 .101

Subject Name  
TEST #2  
Subject I.D.

Operator Name, I.D.  
MSGT G.L. GARNES #220040  
Location

201 S. FRANKLIN ST.,  
KERRSVILLE, MO

*[Signature]* #001

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00753  
Temp Date Time 210L

Air Blank: 05/03/22 20:09 .000  
Calibration Check: 22 05/03/22 20:09 .101

Subject Name  
TEST #3  
Subject I.D.

Operator Name, I.D.  
MSGT G.L. GARNES #220040  
Location

201 S. FRANKLIN ST.,  
KERRSVILLE, MO

*[Signature]* #001

AS IV Serial no: 107982  
Version no: 532B

TEST RECORD 00754  
Temp Date Time 210L

VOID: RFI  
12 05/03/22 20:11

Subject Name  
RFI  
Subject I.D.

Operator Name, I.D.  
MSGT G.L. GARNES #220040  
Location

201 S. FRANKLIN ST.,  
KERRSVILLE, MO

*[Signature]* #001



## CERTIFICATE OF ANALYSIS

**MANUFACTURER AND SUPPLIER: RepCo Marketing Co.**

**LOT NUMBER: 20001**

**EXPIRATION DATE: October 7, 2022 at 11:59 p.m.**

RepCo Marketing Co. certifies the following:

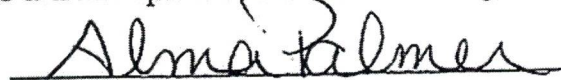
RepCo Marketing Co. prepared, tested and supplied Lot Number 20001 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. Random samples were analyzed by Alcohol Countermeasure Systems utilizing a gas chromatograph and found to contain .1227 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 8, 2020 The expiration date for this lot number is October 7, 2022 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: MP2519      Manufacturer: Guth  
 Model Number:                            12V500  
 Agency:                                    MSHP (GHQ)  
 Agency Address: 1510 E ELM ST, JEFFERSON CITY, MO 65101

## NIST THERMOMETER INFORMATION

Serial Number:                            307715      Bias:                                    0.00  
 Uncertainty:                                0.02  
 Date of Certification:                    10/1/2020      Date of Expiration:                10/1/2021

## 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	34.02	.06

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

## ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing:                            5/5/2021  
 Certification Expiration:                5/5/2022  
 Simulator testing technician: J. CLEVELAND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving:      B. LUTMER  
 Certification No:                            MP2519\_552021

X

DHSS BAP Scientist Approving



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



**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

*Lauren 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

