



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

RECEIVED
 By Tracy Crews at 7:37 am, Mar 10, 2023

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 03/01/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 1702 E. Laharpe Street, Kirksville, MO 63501		TIME OF INSPECTION 8:58 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 RepCo Marketing Inc. LOT # 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 0.097	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	0	(0-.04)	1	(.05-.09)	0	(.10-.14)	3	(.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).

- 1 SUBJECT ARRESTED AND SUBMITTED TO DHSS DUAL BREATH TEST PILOT STUDY = 2 BREATH TESTS
- DUAL TEST WAS WITHIN 0.001% OF EACH OTHER
 (0.138% AND 0.138%)
- STANDARD CHECK AFTER THE BREATH TESTS CHECKED 0.098%

INSPECTING OFFICER	
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.

AS IV Serial no: 107982
Version no: 532B

TEST RECORD 00822

Temp Date Time 210L

Air Blank: 03/01/23 08:58 .000
Calibration Check: 21 03/01/23 08:58 .097

Subject Name
Subject I.D.

Operator Name, I.D.
MSgt G.L. GARNES #720040

Location
1792 E. LANANE ST,
KANSASVILLE, MO



AS IV Serial no: 107982
Version no: 532B

TEST RECORD 00823

Temp Date Time 210L

Air Blank: 03/01/23 09:00 .000
Calibration Check: 21 03/01/23 09:00 .098

Subject Name
Subject I.D.

Operator Name, I.D.
MSgt G.L. GARNES #720040

Location
1792 E. LANANE ST,
KANSASVILLE, MO



AS IV Serial no: 107982
Version no: 532B

TEST RECORD 00824

Temp Date Time 210L

Air Blank: 03/01/23 09:03 .000
Calibration Check: 22 03/01/23 09:03 .098

Subject Name
Subject I.D.

Operator Name, I.D.
MSgt G.L. GARNES #720040

Location
1792 E. LANANE ST,
KANSASVILLE, MO



AS IV Serial no: 107982
Version no: 532B

TEST RECORD 00825

Temp Date Time 210L

VOID: RFI
12 03/01/23 09:04

Subject Name
Subject I.D.

Operator Name, I.D.
MSgt G.L. GARNES #720040

Location
1792 E. LANANE ST,
KANSASVILLE, MO



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.



SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: MP2519 **Manufacturer:** Guth
Model Number: 12V500
Agency: MSHP (GHIQ)
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



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

2

**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

[Signature]
 DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

[Signature] acting director
 DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 58G 0771 (6-10)

LAB-4 (115-10)

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

