



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

REPORT #7

**RECEIVED**

By Brianna Medrano at 8:59 am, Apr 28, 2023

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 111663	NAME OF AGENCY Missouri State Highway Patrol	DATE OF INSPECTION 04/21/2023
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LOCATION OF INSTRUMENT (STREET AND CITY) 34 Carter 104, Van Buren	TIME OF INSPECTION 5:03 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>21001</u> EXP. DATE <u>06/16/2023</u>	
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) <u>34.01</u> SIM. SN <u>MP2473</u> SIM. NIST EXP DATE <u>02/01/2024</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  .103	TEST 2  .103	TEST 3  .103
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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-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
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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).  
Increased time by two minutes.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Zachary L. Ricker
TYPE II PERMIT NUMBER EXPIRATION DATE 220251 10/21/2024	TELEPHONE NUMBER (417) 469-3121

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: 111663  
Version no: 532B

TEST RECORD 00134 <sup>s/</sup>  
Temp Date Time 210L

Air Blank: 04/21/23 17:03 .000  
Calibration Check: 26 04/21/23 17:03 .103

Subject Name

Subject I.D.

Operator Name, I.D.

Z. Ricker 220251

Location

34 Carter 104

Van Buren

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD 00135 <sup>s/</sup>  
Temp Date Time 210L

Air Blank: 04/21/23 17:05 .000  
Calibration Check: 26 04/21/23 17:05 .103

Subject Name

Subject I.D.

Operator Name, I.D.

Z. Ricker 220251

Location

34 Carter 104

Van Buren

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD 00136 <sup>s/</sup>  
Temp Date Time 210L

Air Blank: 04/21/23 17:07 .000  
Calibration Check: 26 04/21/23 17:07 .103

Subject Name

Subject I.D.

Operator Name, I.D.

Z. Ricker 220251

Location

34 Carter 104

Van Buren

AS IV Serial no: 111663  
Version no: 532B

TEST RECORD 00137 <sup>s/</sup>  
Temp Date Time 210L

VOID: RFI  
12 04/21/23 17:08

Subject Name

Subject I.D.

Operator Name, I.D.

Z. Ricker 220251

Location

34 Carter 104

Van Buren

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:

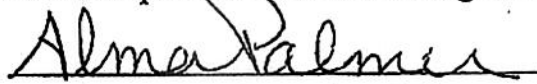
RepCo Marketing Co. prepared, tested and supplied Lot Number 21001 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. 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.