



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

**RECEIVED**  
 By Tracy Crews at 1:47 pm, Jan 07, 2020

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 111333	PRINTER SN 099.3586.616	DATE OF INSPECTION 01/05/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 2201 I-70 Drive NW, Columbia		TIME OF INSPECTION 10:49 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 # 19002 EXP. DATE 10/16/2021
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIMULATOR SN MP2480 SIMULATOR EXP DATE 02/21/2020
- 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 ← .097	TEST 2 ← .097	TEST 3 ← .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)	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 #217	PRINT NAME Trooper G. Ayres
TYPE II PERMIT NUMBER/EXPIRATION DATE 290252 / 10-22-2021	TELEPHONE NUMBER (573) 751-1000

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
 2875 James Boulevard  
 Poplar Bluff, MO 63901

AS IV Serial no: 111333  
Version no: 532B

TEST RECORD 00599

Temp	Date	Time	g/L
			210L

Air Blank:  
01/05/20 10:49 .000  
Calibration Check:  
20 01/05/20 10:49 .097

Subject Name

TEST # 1

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 290252

Location

2201 I-70 OR NW

COLUMBIA, MO

AS IV Serial no: 111333  
Version no: 532B

TEST RECORD 00600

Temp	Date	Time	g/L
			210L

Air Blank:  
01/05/20 10:51 .000  
Calibration Check:  
21 01/05/20 10:51 .097

Subject Name

TEST # 2

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 290252

Location

2201 I-70 OR NW

COLUMBIA, MO

AS IV Serial no: 111333  
Version no: 532B

TEST RECORD 00601

Temp	Date	Time	g/L
			210L

Air Blank:  
01/05/20 10:53 .000  
Calibration Check:  
21 01/05/20 10:53 .098

Subject Name

TEST # 3

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 290252

Location

2201 I-70 OR NW

COLUMBIA, MO

AS IV Serial no: 111333  
Version no: 532B

TEST RECORD 00602

Temp	Date	Time	g/L
			210L

VOID: RFI  
12 01/05/20 10:54

Subject Name

RFI

Subject I.D.

1 2 3 4

Operator Name, I.D.

Ayres 290252

Location

2201 I-70 OR NW

COLUMBIA, MO

## 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 +/-0.003 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.



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

2

**PERMIT**  
**TYPE II**  
**GRANT A AYRES**

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**

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 10/22/2019

NUMBER 290252

EXPIRES 10/22/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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 AYRES, GRANT  
 Permit No 290252  
 Date Issued 10/22/2019 Date Expires 10/22/2021

