



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 111750	PRINTER SN 09B.3589.475	DATE OF INSPECTION 07/05/2020
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LOCATION OF INSTRUMENT (STREET AND CITY) Troop A, 504 SE Blue Parkway, Lee's Summit, Missouri 64063	TIME OF INSPECTION 11:05 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**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER RepCo Marketing Co LOT # 19002 EXP. DATE 10/16/2021

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.00 SIMULATOR SN MP2206 SIMULATOR EXP DATE 03/13/2021

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 .104

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).

Time adjusted two minutes forward

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
 Cpl. A.A. Engelhart

TYPE II PERMIT NUMBER/EXPIRATION DATE  
 280240 / 8/17/2020

TELEPHONE NUMBER  
 (816) 622-0800

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: 111750  
Version no: 532B

TEST RECORD 00330

Temp	Date	Time	s/	210L
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Air Blank:  
07/05/20 23:15 .000  
Calibration Check:  
24 07/05/20 23:15 .103

Subject Name

Maint Test 1

Subject I.D.

Operator Name, I.D.

Cpl. A.A. Engelhart 280240

Location

Troop A

AS IV Serial no: 111750  
Version no: 532B

TEST RECORD 00331

Temp	Date	Time	s/	210L
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Air Blank:  
07/05/20 23:17 .000  
Calibration Check:  
24 07/05/20 23:17 .103

Subject Name

Maint Test 2

Subject I.D.

Operator Name, I.D.

Cpl. A.A. Engelhart 280240

Location

Troop A

AS IV Serial no: 111750  
Version no: 532B

TEST RECORD 00332

Temp	Date	Time	s/	210L
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Air Blank:  
07/05/20 23:18 .000  
Calibration Check:  
25 07/05/20 23:18 .104

Subject Name

Maint Test 3

Subject I.D.

Operator Name, I.D.

Cpl. A.A. Engelhart 280240

Location

Troop A

AS IV Serial no: 111750  
Version no: 532B

TEST RECORD 00333

Temp	Date	Time	s/	210L
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VOID: RFI  
12 07/05/20 23:19

Subject Name

RFI Test

Subject I.D.

Operator Name, I.D.

Cpl. A.A. Engelhart 280240

Location

Troop A

# RepCo

RepCo Marketing Co  
3101-188 Stony Brook Drive  
Raleigh, NC 27604  
888-828-0227

## 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:

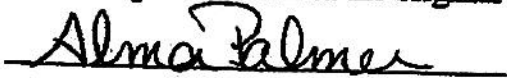
RepCo Marketing Co. prepared, tested and supplied Lot Number 19002 of Alcohol Certified Solution for simulators. This solution was manufactured and tested by RepCo Marketing Co., with confirmation by ISO 17025 and ISO 17034 accredited institution Alcohol Countermeasure Systems, using NIST standards. Random samples were analyzed by Alcohol Countermeasure Systems utilizing a gas chromatograph and found to contain .1231 gms/dl +/- .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

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**PERMIT  
 TYPE II**

**AARON A ENGELHART**

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 8/17/2018

NUMBER 280240

EXPIRES 8/17/2020

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (16-10)

**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 **ENGELHART, AARON**  
 Permit No **280240**  
 Date Issued **8/17/2018**    Date Expires **8/17/2020**