



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

**RECEIVED**

By Tracy Crews at 7:51 am, Aug 24, 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 <b>111319</b>	NAME OF AGENCY <b>Piedmont P.D.</b>	DATE OF INSPECTION <b>08-23-2023</b>
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LOCATION OF INSTRUMENT (STREET AND CITY) <b>116 W. Green St Piedmont MO 63957</b>	TIME OF INSPECTION <b>09:42</b>
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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 **ACS** LOT # **202212B** EXP. DATE **12-06-2022**

SIMULATOR TEMPERATURE (34°C ± 0.2°C) **34.0°C** SIM. SN **SD2257** SIM. NIST EXP DATE **12-13-23**

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 • <b>.098</b>	TEST 2 • <b>.098</b>	TEST 3 • <b>.099</b>
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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 <b>0</b>	(0-.04) <b>0</b>	(.05-.09) <b>0</b>	(.10-.14) <b>0</b>	(.15-.19) <b>0</b>	(OVER .19) <b>0</b>
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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 <b>P.O. Shawn Campbell</b>	PRINT NAME <b>Shawn Campbell</b>
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TYPE II PERMIT NUMBER/EXPIRATION DATE <b>220272 / 12-21-2024</b>	TELEPHONE NUMBER <b>573-223-4300</b>
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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: 111319  
Version no: 532B

TEST RECORD 00480

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/23/23 09:45 .000  
Subject Test: Man  
23 08/23/23 09:45 .099

Subject Name

Test

Subject I.D.

Three

Operator Name, I.D.

Campbell 220272

Location

116 W. Green St

Piedmont Mo 63957

AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00478

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/23/23 09:42 .000  
Subject Test: Man  
21 08/23/23 09:42 .098

Subject Name

Test

Subject I.D.

One

Operator Name, I.D.

Campbell 220272

Location

116 W. Green St

Piedmont Mo 63957

AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00479

Temp Date Time <sup>s/</sup> 210L

Air Blank:  
08/23/23 09:43 .000  
Subject Test: Man  
22 08/23/23 09:43 .098

Subject Name

Test

Subject I.D.

Two

Operator Name, I.D.

Campbell 220272

Location

116 W. Green St

Piedmont Mo 63957

AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00481

Temp Date Time <sup>s/</sup> 210L

VOC: RFI  
23 08/23/23 09:47

Subject Name  
RFI

Subject I.D.  
TEST

Operator Name, I.D.

Campbell 220272

Location

116 W. Green St

Piedmont Mo 63957

## Reference Material Certificate of Analysis

Product identification:	Alcohol Reference Solution (ARS)
CRM:	Ethanol in aqueous solution
Reference concentration:	<u>1.2100</u> g/L
Analytical concentration:	<u>1.2128</u> g/L
Batch size:	<u>2267</u> bottles
Lot number:	<u>202212B</u>
Date of production:	<u>2022.12.06</u> (yyyy.mm.dd)

This certificate covers the production, analysis and certification of the Certified Reference Material (CRM) manufactured by Alcohol Countermeasure Systems Corp (ACS), located at 60 International Boulevard, Toronto, ON M9W 6J2 CANADA.

This metrology laboratory is accredited in accordance with international standards ISO/IEC 17025:2017 for competence of testing and calibration laboratories, and ISO/IEC 17034:2016 for the competence of reference material producers, demonstrating technical competence within the defined scope and the operation of a laboratory quality management system.

The analysis for certification of each lot of ARS is conducted within ACS forensic laboratory by an independent chemist using the direct injection, flame ionization gas chromatographic procedure coupled with the internal standard technique commensurate with forensic alcohol analysis.

This certificate is valid only for the ARS lot number identified above and does not extend to any other production lot of alcohol reference solution.

This certificate may only be reproduced in full.

For and on behalf of the company,  
ALCOHOL COUNTERMEASURE  
SYSTEMS CORP.



Felix JE Comeau, B.Sc (Honours)  
Laboratory Director



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

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**PERMIT**  
**TYPE II**  
**SHAUN CAMPBELL**

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 12/21/2022

NUMBER 220272

EXPIRES 12/21/2024

*Mike Mason*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*David F. Nielson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES