



AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00473

Temp Date Time 210L  
s/

Air Blank:  
07/22/23 13:17 .000  
Subject Test: Man  
21 07/22/23 13:17 .100

Subject Name

Test

Subject I.D.

one

Operator Name, I.D.

Campbell 220272

Location

116 W. Green

Piedmont Mo 63957

AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00474

Temp Date Time 210L  
s/

Air Blank:  
07/22/23 13:19 .000  
Subject Test: Man  
22 07/22/23 13:19 .099

Subject Name

Test

Subject I.D.

Two

Operator Name, I.D.

Campbell 220272

Location

116 W. Green

Piedmont Mo 63957

AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00476

Temp Date Time 210L  
s/

Air Blank:  
07/22/23 13:21 .000  
Subject Test: Man  
23 07/22/23 13:21 .098

Subject Name

Test

Subject I.D.

Three

Operator Name, I.D.

Campbell 220272

Location

116 W. GREEN

Piedmont Mo 63957

AS IV Serial no: 111319  
Version no: 532B

TEST RECORD 00477

Temp Date Time 210L  
s/

Air Blank:  
07/22/23 13:23

Subject Test:  
RFI

Subject I.D.:  
TEST

Operator Name, I.D.:

Campbell 220272

Location:  
116 W. GREEN

Piedmont Mo 63957

## Reference Material Certificate of Analysis

Product identification:	Alcohol Reference Solution (ARS)
CRM:	Ethanol in aqueous solution
Reference concentration:	1.2100 g/L
Analytical concentration:	1.2128 g/L
Batch size:	2267 bottles
Lot number:	202212B
Date of production:	2022.12.06 (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 Massum*

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*Paula F. Nickelson*

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES