Axiom
ANALYTICS

CERTIFICATE OF ANALYSIS · DX DILUENT & SOLVENT PANEL

Axiom Analytics Labs LLC
Sacramento, California, USA

SCAN TO VERIFY

AX-2026-2797-FASP

CP-BAC (Bacteriostatic Water for Injection, USP (0.9% benzyl alcohol added)) · Lot CP-BAC30-2611
Issued Nov 15, 2026 PT
Verify: B445-AEED-929F

PASS — ALL SPECIFICATIONS MET

7 of 7 layers complete

L1	L2	L3	L4	L5	L6	L7
Identity	Chromatographic & Carrier Purity	Declared Content	Sterility	Endotoxin	Heavy Metals	Physicochemical Properties

Sample & Vial Validation



Photograph associated with this sample

MORE VIEWS OF VIAL A


Vial A · left


Vial A · right


Vial A · back

Brand	**ChoicePeps**	Product	**CP-BAC (Bacteriostatic Water for Injection, USP (0.9% benzyl alcohol added))**
Lot / Batch	**CP-BAC30-2611**	Label Claim	**30 mL declared volume per vial**
Matrix	**solution**	Sample Count	**1**
Vial Size	**30mL**	Cap Color	**Gloss Pink**
Crimp Color	**Silver / Aluminum**	Contents Color	**Clear/Translucent**
Seal Intact	**Yes**	Condition	**sealed, intact**
Received	**Nov 12, 2026 PT**	Sampling	**client submitted**

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

Axiom Analytics Labs LLC
Sacramento, California, USA

AX-2026-2797-FASP

CP-BAC (Bacteriostatic Water for Injection, USP (0.9% benzyl alcohol added)) · Lot CP-BAC30-2611
Issued Nov 15, 2026 PT
Verify: B445-AEED-929F

SCAN TO VERIFY

Test Results

Test	Specification	Result	
Identity · GC-FID verified compendial	retention time corresponds to the reference standard run on the same sequence within the locked 2% window (Verification of GC-FID identity vs reference standard (USP <621>), gc_fid_identity v1.0, evidence82fefc99-4670-4c11-8106-2c19418fed64, sha25675e3a31f2390c360ae36830da424e6e53575de2782be9c4fc87039224fcdbd7d, /validationParameters/0/acceptanceCriterion: Sample RT within ±2.0% of the reference standard (USP <621> convention). Retained unchanged by gc_fid_identity v1.1, evidence28b7931f-3460-4db1-9e6a-f3911d84a01e, sha256d02d290b42521ec7193d40d9c5b207be889a9869ed6aa7e8a6baa2e2500c3258.)	analyte 6.3 min, reference standard 6.29 min	PASS
Purity · GC-FID verified compendial	at least 99.25% by GC area normalisation	99.28% GC area%	PASS
Benzyl Alcohol Content verified compendial	80-120% of the frozen label claim; stored percentage must equal measured content / declared content × 100; USP <341> system suitability and traceability required	0.870259 % w/v · 96.6954% of the 0.9% w/v label claim	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	Target DNA not detected	PASS
Endotoxin verified compendial	< 0.5 EU/mL (USP <85>)	0.003 EU/mL	PASS
Heavy Metals research screen	ICH Q3D(R2) Table A.2.2, parenteral route	All below limits	PASS
pH research screen	pH within 4.50 - 7.00	pH 5.64	PASS
Visual Appearance research screen	colorless; clear; free from visible particles	colorless; clear; no visible particles observed	PASS

Layer Results

1 **Identity · GC-FID**
GC-FID identity vs reference standard (USP <621>)

analyte 6.3 min, reference standard 6.29 min

retention time corresponds to the reference standard run on the same sequence within the locked 2% window (Verification of GC-FID identity vs reference standard (USP <621>), gc_fid_identity v1.0, evidence82fefc99-4670-4c11-8106-2c19418fed64, sha25675e3a31f2390c360ae36830da424e6e53575de2782be9c4fc87039224fcdbd7d, /validationParameters/0/acceptanceCriterion: Sample RT within ±2.0% of the reference standard (USP <621> convention). Retained unchanged by gc_fid_identity v1.1, evidence28b7931f-3460-4db1-9e6a-f3911d84a01e, sha256d02d290b42521ec7193d40d9c5b207be889a9869ed6aa7e8a6baa2e2500c3258.)

PASS

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

2 Purity · GC-FID

GC-FID chromatographic purity, area% (USP <621>)

99.28% GC area%
at least 99.25% by GC area normalisation

PASS

Criterion source	**Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31**

3 Benzyl Alcohol Content

Benzyl alcohol preservative content by GC-FID (USP <341>)

0.870259 % w/v · 96.6954% of the 0.9% w/v label claim
80-120% of the frozen label claim; stored percentage must equal measured content / declared content × 100; USP <341> system suitability and traceability required

PASS

Result	**0.870259 % w/v; 96.6954% of the 0.9% w/v label claim**

4 Sterility · Rapid PCR

Rapid Microbial DNA Screen (qPCR target panel)

Target DNA not detected
Rapid PCR screen

PASS

5 Endotoxin

Bacterial endotoxin, USP <85> (kinetic chromogenic LAL)

0.003 EU/mL
< 0.5 EU/mL (USP <85>)

PASS

Source container	**A**

6 Heavy Metals

ICP-MS (USP 232/233)

All below limits
ICH Q3D(R2) Table A.2.2, parenteral route

PASS

Source container **A**

Element	Specification	Result	Status
Lead (Pb)	≤ 0.5 ppm (µg/g)	Not Detected	PASS
Arsenic (As)	≤ 1.5 ppm (µg/g)	Not Detected	PASS
Cadmium (Cd)	≤ 0.2 ppm (µg/g)	Not Detected	PASS
Mercury (Hg)	≤ 0.3 ppm (µg/g)	Not Detected	PASS
Cobalt (Co)	≤ 0.5 ppm (µg/g)	Not Detected	PASS
Vanadium (V)	≤ 1 ppm (µg/g)	Not Detected	PASS
Nickel (Ni)	≤ 2 ppm (µg/g)	Not Detected	PASS

7 pH

pH (USP <791>) + Submitted-container visual appearance and visible-particle screen

pH 5.64
pH within 4.50 - 7.00

PASS

Source container	**A**

7 Visual Appearance

pH (USP <791>) + Submitted-container visual appearance and visible-particle screen

colorless; clear; no visible particles observed
colorless; clear; free from visible particles

PASS

Source container	**A**

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

Axiom Analytics Labs LLC
Sacramento, California, USA

SCAN TO VERIFY

AX-2026-2797-FASP

CP-BAC (Bacteriostatic Water for Injection, USP (0.9% benzyl alcohol added)) · Lot CP-BAC30-2611
Issued Nov 15, 2026 PT
Verify: B445-AEED-929F

Reporting Scope & Limitations

`[Sterility · Rapid PCR]` Rapid PCR screen for microbial DNA. It detects DNA from live and dead organisms and is not a USP <71> sterility test or a USP <61> count. Full USP <71> sterility testing is available as an add-on.

Digital Signatures

Analyst	**Alana Reeves**	Analyst Signature	**ed25519:f288a633e2c436d6d02ac3e7...**
Technical Reviewer	**Michael Niles**	Reviewer Signature	**ed25519:f1ee27e37775a912fd5a141d...**
Laboratory Director	**Daniel Brennan**	Director Signature	**ed25519:8295ab8b97fb05d675a4c31e...**

Testing is performed within Axiom's laboratory network under Axiom's methods. Every result is reviewed and released by Axiom, which issues and is responsible for this certificate. Axiom Analytics does not hold ISO/IEC 17025 accreditation. Samples are identified to the testing laboratory by an internal lot ID only. The method status of each result is shown beside it.

Each signature is an Ed25519 signature over the SHA-384 hash of this report. Scan the QR code or verify it yourself at https://axiomanalyticslab.com/verify/AX-2026-2797-FASP.

CRYPTOGRAPHICALLY SEALED (ed25519 + SHA-384)

SHA-384: 4d653674ed54bc88880cd854770611c1f021839b15d2fea18d2b16a5e7a83740...

Seal: ed25519:ae69855984ed1f2cbf7f5b08177aead8087e2cb7...

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.

RESEARCH USE ONLY. All analytical testing, validation reports, and interactive Certificates of Analysis (COAs) provided by Axiom Analytics are intended strictly for Research Use Only (RUO) in in-vitro or laboratory animal model environments. Axiom Analytics does not analyze, validate, evaluate, or make any representations regarding the safety, efficacy, toxicity, or legality of any tested substance for human or animal consumption, veterinary use, clinical diagnostics, food additives, cosmetics, or household applications.

Results relate only to the item or portion tested. Unless sampling was performed or witnessed by Axiom Analytics, the laboratory does not attest that the submitted sample represents the wider lot or batch. A PASS designation means only that the reported result met the specification shown. It does not establish safety, efficacy, regulatory approval, legality, or suitability for human or animal use.