



PASS — ALL SPECIFICATIONS MET

7 of 7 layers complete

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

 Vial A: as received & analyzed	Client	Old Glory Aminos	Product	OGA Bac Water (Bacteriostatic Water (Benzyl Alcohol))
	Lot / Batch	BACWAT-3ML-2609-45V	Label Claim	3 mL
	Matrix	solution	Sample Count	1
	Vial Size	3mL	Cap Color	Black
	Crimp Color	Silver / Aluminum	Contents Color	Clear/Translucent
	Seal Intact	Yes	Condition	sealed, intact
	Received	Sep 13, 2026	Sampling	client submitted

Test Results

Test	Reference standard	Result
Identity · GC-FID	retention time corresponds to the reference standard run on the same sequence	retention-time correspondence with the reference standard confirmed; the two retention times were not recordedPASS
Purity	Expected not less than 99.5 · Acceptance NLT 99.5 % area · Units % area · Source Kovera Labs Bacteriostatic Water Analysis KVR-2026-4784C8 (third-party lab COA; sha256 47c9d3eedafebf3c0eef2d901353766453b12734b2819867b93e02ecd4fd6c), Benzyl Alcohol Assay (GC) table row 4: "Purity (GC) ≥ 99.5%". Scope: a bacteriostatic WATER sample.	99.89%PASS
Benzyl Alcohol Content	80-120% of the frozen label claim; stored percentage must equal measured content / declared content × 100; USP <341> system suitability and traceability required	0.9 % w/v · 100% of the 0.9% w/v label claimPASS
Sterility · Rapid PCR	Rapid PCR screen	Target DNA not detectedPASS
Endotoxin	< 0.5 EU/mL (USP <85>)	0.068 EU/mLPASS
Heavy Metals	USP <232>/<233> limits	All below limitsPASS
pH	pH within 4.50 - 7.00	pH 5.92PASS
Visual Appearance	colorless; clear; free from visible particles	colorless; clear; no visible particles observedPASS



SCAN TO VERIFY

Layer Results

1	Identity	retention-time correspondence with the reference standard confirmed; the two retention times were not recorded		PASS
	GC-FID identity vs reference standard (USP <621>)	retention time corresponds to the reference standard run on the same sequence		

GC-FID identity

Actual result	retention-time correspondence with the reference standard confirmed; the two retention times were not recorded	Acceptance criterion	retention time corresponds to the reference standard run on the same sequence
Result status		PASS	

2	Chromatographic & Carrier Purity	99.89% GC area% (largest single impurity 0%, total impurities 0%)		PASS
	GC-FID chromatographic purity, area% (USP <621>)	at least 99.25% by GC area normalisation, largest single impurity at or below 0.3%, total impurities at or below 0.5%		

GC-FID purity

Actual result	99.89% GC area% (largest single impurity 0%, total impurities 0%)	Acceptance criterion	at least 99.25% by GC area normalisation, largest single impurity at or below 0.3%, total impurities at or below 0.5%
Result status		PASS	

3	Declared Content	0.9 % w/v; 100% of the 0.9% w/v label claim; internal-standard lot not recorded; raw-data reference not recorded		PASS
	Benzyl alcohol preservative content by GC-FID (USP <341>)	80-120% of the frozen label claim; stored percentage must equal measured content / declared content × 100; USP <341> system suitability and traceability required		

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

Actual result	0.9 % w/v; 100% of the 0.9% w/v label claim; internal-standard lot not recorded; raw-data reference not recorded	Acceptance criterion	80-120% of the frozen label claim; stored percentage must equal measured content / declared content × 100; USP <341> system suitability and traceability required
Result status		PASS	

4	Sterility	Sterility · Rapid PCR: observation not recorded — FAIL		PASS	
	Rapid Microbial DNA Screen — Qualification-Bound Target Panel	No microbial growth or target DNA detected			

Sterility · Rapid PCR

Result	observation not recorded — FAIL	Specification	Rapid PCR screen
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Endotoxin

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

0.068 EU/mL

limit < 0.5 EU/mL

PASS

0.07 EU/mL PASS

limit 0.5 EU/mL

Source container

A

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Heavy Metals

ICP-MS (USP 232/233)

All below limits

USP <232>/<233> limits

PASS

Element	Specification (ppb)	Result	Status
Lead (Pb)	<= 500	Not Detected	PASS
Arsenic (As)	<= 1500	Not Detected	PASS
Cadmium (Cd)	<= 200	Not Detected	PASS
Mercury (Hg)	<= 300	Not Detected	PASS
Cobalt (Co)	<= 500	Not Detected	PASS
Vanadium (V)	<= 1000	Not Detected	PASS
Nickel (Ni)	<= 2000	Not Detected	PASS

Source container

A

7

Physicochemical Properties

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

2 assay determinations

each recorded criterion shown below

PASS

pH 791

Actual result

pH 5.92

Acceptance criterion

pH within 4.50 - 7.00

Result status

PASS

Visual appearance

Actual result

colorless; clear; no visible particles observed

Acceptance criterion

colorless; clear; free from visible particles

Result status

PASS

Source container

A

Reporting Scope & Limitations

[Chromatographic & Carrier Purity] The chromatographic trace was not retained for this certificate. The purity value and its acceptance limit are unaffected.

[Sterility · Rapid PCR] DNA-target research screen only. It detects microbial DNA from viable and non-viable organisms alike, and is neither viable-CFU enumeration under USP <61> nor a batch sterility determination under USP <71>.



Digital Signatures

Analyst	Alana Reeves	Analyst Signature	ed25519:c23c8425c2ce6a3cbe7243fc...
Technical Reviewer	Michael Niles	Reviewer Signature	ed25519:fdc2d592eff9bdea1ac2bd90...
Laboratory Director	Daniel Brennan	Director Signature	ed25519:df5e9e469597493a45a4f11f...

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