



PASS — ALL SPECIFICATIONS MET

5 of 5 layers complete

■ L1
Identity

■ L2
Purity

■ L3
Net Peptide Content

■ L4
Sterility

■ L8
Fentanyl Screen

Sample & Vial Validation



Vial A: as received & analyzed

MORE VIEWS OF VIAL A



Vial A - right

Client	Retro Tide Labs	Product	Glow
Lot / Batch	T-GLO-0029	Label	GHK-Cu 50 mg + BPC-157 10 mg + TB-500
		Claim	10 mg
Matrix	lyophilized powder	Sample Count	1
Cap Color	Black	Crimp Color	Silver / Aluminum
Contents Color	Blue	Seal Intact	Yes
Condition	sealed, intact	Received	Sep 24, 2026
Sampling	client submitted		

Test Results

Test	Specification	Result	
Identity research screen	every declared component within ± 1 Da of its own theoretical mass	3 of 3 components confirmed	PASS
Purity validated in house	each declared component at or above its own locked purity criterion	3 of 3 components within criterion	PASS
Net Peptide Content research screen	each declared component within its own locked content criterion, at the declared ratio	73.58 mg of 70 mg declared (+5.1%), 3 of 3 components within criterion	PASS
Sterility · Rapid PCR research screen	Rapid PCR screen	Target DNA not detected	PASS
Fentanyl Screen research screen	no fentanyl or analog at or above 1 ng/mg	none detected	PASS

Layer Results



1 Identity

HILIC-ESI-MS intact GHK-Cu full-scan/isotope identity + LC-MS (ESI+) accurate mass

3 of 3 components confirmed

each +/- 1 Da of its component mass

PASS

Component	Its criterion	Observed	Status
GHK-Cu	402.92 Da · acceptance ± 1 Da · average	403.077 Da	PASS
BPC-157	1419.556 Da · acceptance ± 1 Da · average	1419.418 Da	PASS
TB-500 (Thymosin B4)	4963.506 Da · acceptance ± 1 Da · average	4963.427 Da	PASS

2 Purity

HILIC-CAD homogeneity (universal detection) + RP-HPLC 214 nm area% (USP <621>)

3 of 3 components within criterion

each component at or above its own locked purity criterion

PASS

Component	Its criterion	Observed	Status
GHK-Cu	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.63%	PASS
BPC-157	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.64%	PASS
TB-500 (Thymosin B4)	Expected Purity ≥ 99.25 area % · Acceptance NLT 99.25 area % · Units area % · Source Axiom Analytics SPEC-PURITY-001, Revision 1, effective 2026-08-31	99.93%	PASS

3 Net Peptide Content

Quantitative HPLC vs reference std

73.58 mg of 70 mg declared (+5.1%), 3 of 3 components within criterion

each component within its own locked content criterion, at the declared ratio

PASS

Component	Its criterion	Observed	Status
GHK-Cu	45–55 mg · Declared label claim on this accession: "GHK-Cu 50 mg + BPC-157 10 mg + TB-500 10 mg" (GHK-Cu 50 mg); acceptance $\pm 10\%$ of the declared component amount per Axiom SPEC-CONTENT-001	52.55 mg	PASS
BPC-157	9–11 mg · Declared label claim on this accession: "GHK-Cu 50 mg + BPC-157 10 mg + TB-500 10 mg" (BPC-157 10 mg); acceptance $\pm 10\%$ of the declared component amount per Axiom SPEC-CONTENT-001	10.51 mg	PASS
TB-500 (Thymosin B4)	9–11 mg · Declared label claim on this accession: "GHK-Cu 50 mg + BPC-157 10 mg + TB-500 10 mg" (TB-500 10 mg); acceptance $\pm 10\%$ of the declared component amount per Axiom SPEC-CONTENT-001	10.52 mg	PASS

4 Sterility

Rapid Microbial DNA Screen (qPCR target panel)

Sterility · Rapid PCR: Target DNA not detected

No microbial target DNA detected

PASS

Sterility · Rapid PCR

Result

Target DNA not detected

Specification

Rapid PCR screen

PASS



8

Fentanyl Screen

LC-MS/MS targeted adulterant screen

Not detected

detection limit 1 ng/mg

PASS

Analytes
screened

**Fentanyl, Acetylfentanyl, Acrylfentanyl, Butyrylfentanyl,
Carfentanil, Cyclopropylfentanyl, Furanylfentanyl,
Methoxyacetylfentanyl, ortho-Fluorofentanyl,
Valerylfentanyl, 4-ANPP (despropionyl fentanyl)**

Detection limit

1 ng/mg

Source container

A

Reporting Scope & Limitations

[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>.

[Fentanyl Screen] Targeted LC-MS/MS adulterant screen, reported as detected or not detected against its stated detection limit. A harm-reduction research screen, not an exhaustive adulterant panel.

Digital Signatures

Analyst

Alana Reeves

Analyst Signature

ed25519:1f0b6a2583753989b6efdc33...

Technical Reviewer

Michael Niles

Reviewer Signature

ed25519:e12cd92223cf079934679e06...

Laboratory Director

Daniel Brennan

Director Signature

ed25519:e1d806dff78e61113d5d3ae...

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Seal: ed25519:e3b75b8ec62c9e401a5b8905b5b0a3f7cd954bad...

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