Silverback Wellness

CERTIFICATE OF ANALYSIS · LOT RELEASE

silverbackgroup.co

CERTIFICATE NO.
PL-26-00043

VERIFICATION KEY
86MP9DE8

Scan or enter both at prymalab.net/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR SILVERBACK WELLNESS

GLOW Blend 70 mg

Lot **PL-2609-043** · Lyophilized co-blend powder · Label claim **70 mg/vial** · Distributed as **BPC-157 / TB-500 / GHK-Cu**

TESTED IN-HOUSE BY PRYMALAB

In-house analytical result, not an independent third-party test

LOT / BATCH NUMBER	DATE MADE	DATE OF ANALYSIS	DATE ISSUED
PL-2609-043	**2026-09-15**	**2026-09-17**	**2026-10-03**
RETEST / EXPIRY	**UNITS IN LOT / SAMPLED**	**STORAGE**	**CERTIFICATE TYPE**
2028-09-15	**250 / 2**	−20 °C, desiccated, dark	Lot COA, 2 pages

COMPOUND
GLOW Blend
GHK-Cu + BPC-157 + TB-500 co-lyophilized blend

CAS NUMBER
89030-95-5 · 137525-51-0 · 77591-33-4

MOLECULAR FORMULA
$C_{14}H_{22}CuN_6O_4$ · $C_{62}H_{98}N_{16}O_{22}$ · $C_{212}H_{350}N_{56}O_{78}S$

THEORETICAL MASS (AVG.)
401.9 · 1419.6 · 4963.5 Da (GHK-Cu / BPC-157 / TB-500 (Thymosin β4))

COMPOSITION AND SEQUENCES

GHK-Cu 50 mg: `H-GHK-OH · Cu(II) (1:1 copper complex)` · **BPC-157 10 mg**: `H-GEPPPGKPADDAGLV-OH (15 residues; free N- and C-termini)` · **TB-500 (Thymosin β4) 10 mg**: `Ac-SDKPDMAEIEKFDKSKLKKTETQEKNPLPSKETIEQEKQAGES-OH (43 residues; N-acetyl; free C-terminus)`

PURITY · RP-HPLC, AREA %
99.72%
Specification 99.0% • blend purity — sum of the three component peaks

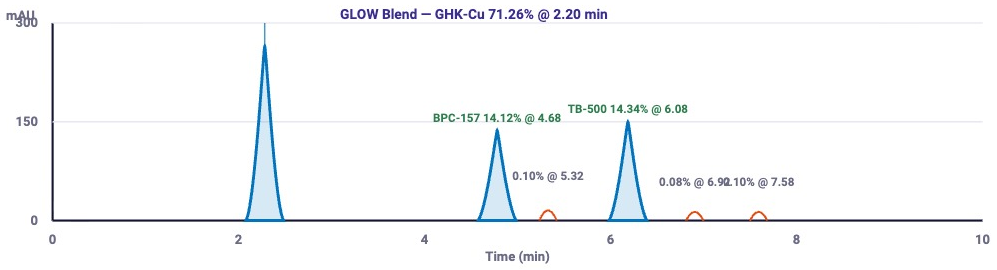
IDENTITY · OBSERVED MASS
3 / 3
Components confirmed by LC-MS within ± 1.0 Da: 402.1 / 1419.8 / 4963.7 Da

OVERALL CONCLUSION
PASS
Meets every specification for the tests performed

TEST	METHOD	SPECIFICATION	RESULT	CONCLUSION
Appearance	Visual inspection	Blue to blue-violet lyophilized cake (GHK-Cu copper complex)	Blue lyophilized cake	**PASS**
Identity (mass)	LC-MS, ESI positive	Theoretical ± 1.0 Da, each component	3/3 components confirmed	**PASS**
Purity	RP-HPLC, UV 214 nm, area%	99.0% (blend)	99.72%	**PASS**
Largest impurity	RP-HPLC, area%	1.0%	0.10% at 5.32 min	**PASS**
Water content	Karl Fischer	5.0%	2.0%	**PASS**
Bacterial endotoxin	LAL, kinetic	≤ 5.0 EU/mg	0.05 EU/mg	**PASS**
Sterility / bioburden	USP <71>, membrane filtration	No growth after 14 days	No growth; conforms	**PASS**

1 HPLC CHROMATOGRAM

Data file: GLOW_PL-2609-043_20260917_01 · Column C18, 150 × 4.6 mm · UV 214 nm



Baseline uncropped; three component peaks and impurities labeled with retention times. Peak table on page 2.

For laboratory research use only. Not for human or veterinary use.

2 HPLC METHOD · GLOW_PL-2609-043_20260917_01

INSTRUMENT Waters Alliance e2695, SN E2695B742	DATA SYSTEM Empower 3, Build 3471	DETECTOR Waters 2998 PDA
DETECTION WAVELENGTH 214 nm	COLUMN C18, 150 × 4.6 mm, 3.5 µm	COLUMN PART / SERIAL 186003326 / USHX18211
MOBILE PHASE A 0.1% TFA in water	MOBILE PHASE B 0.1% TFA in MeCN	FLOW RATE 1.0 mL/min
COLUMN TEMPERATURE 30 °C	INJECTION VOLUME 20 µL	RUN TIME 10 min
SAMPLE DILUENT Water, 0.1% TFA	SAMPLE CONCENTRATION 0.5 mg/mL (blend)	BLANK INJECTED Yes

REFERENCE STANDARD
In-house GLOW blend reference, lot PL-RS-GLO-01, component RTs 2.18 / 4.66 / 6.06 min

3 GRADIENT PROGRAM

TIME (MIN)	% A	% B
0.0	95	5
3.0	95	5
7.0	55	45
8.0	20	80
9.0	20	80
10.0	95	5

4 PEAK TABLE

PEAK	RT (MIN)	AREA	AREA %
1 (GHK-Cu)	2.20	3,064,180	71.26
2 (BPC-157)	4.68	607,160	14.12
3	5.32	4,300	0.10
4 (TB-500)	6.08	616,620	14.34
5	6.92	3,440	0.08
6	7.58	4,300	0.10
Total		4,300,000	100.00

Threshold 0.05% area · Blank subtracted: Y · Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

5 IDENTITY BY MASS SPECTROMETRY

INSTRUMENT Waters Acquity SQD	IONIZATION / MODE ESI, positive	OBSERVED M/Z (CHARGE) 402.8 · 1420.3 (1+ [M+H], GHK-Cu · BPC-157) · 1241.9 (4+ [M+4H]) · 993.7 (5+ [M+5H], TB-500)
DECONVOLUTED MASS 402.1 / 1419.8 / 4963.7 Da (by component)	THEORETICAL MASS 401.9 / 1419.6 / 4963.5 Da (GHK-Cu / BPC-157 / TB-500)	DIFFERENCE ≤ +0.2 Da (per component)
DATA FILE GLOW_PL-2609-043_MS_20260917_01	ACCEPTANCE Within ± 1.0 Da (each component)	

6 ADDITIONAL TESTS

TEST	PERFORMED BY	DATE	REPORT / FILE
Water content	PrymaLab	2026-09-18	RPT-KF-PL-2609-043
Endotoxin	PrymaLab	2026-09-19	RPT-ET-PL-2609-043
Sterility	PrymaLab	2026-10-01	RPT-ST-PL-2609-043
Peptide content (blend assay)	PrymaLab	2026-09-18	RPT-AA-PL-2609-043

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

D. Reynolds
Analyst · performed the testing
Date: 2026-09-17

S. Calloway
Reviewer · checked against raw data
Date: 2026-10-02

M. Phelps
Lab Director · approved for release
Date: 2026-10-03

Raw data retained at: Empower 3 (Build 3471), project PL-2609, archive PL-ARC-2026; 7 years. Outside laboratory reports attached: None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Silverback Wellness, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00043 and key 86MP9DE8 at prymalab.net/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.