

Certificate of Analysis

Product	(BPC157 10mg + GHK-Cu 50mg + TB500 10mg + KPV 10mg)	CAS No. :	Multiple Components
Product No. :	MIX-4PEP-10+50+10+10	Molecular Formula	Multiple Components
Description	Lyophilized powder for injection (4-Peptide Blend)		
Batch No.	MIX-4PEP-260601	Quantity	2.0kg
Mfg. Date	May 26th, 2026	Retest Date	May 25th, 2028

【 ITEMS 】	【 SPECIFICATIONS 】	【 RESULTS 】
Appearance	White or almost white lyophilized powder	White lyophilized powder
Solubility	Freely soluble in water	Conforms
Solution clarity and color	Clear and colorless	Conforms
Identification (HPLC)	The retention time of each peak of the test solution corresponds to that of the reference solution, as obtained in the Assay.	Conforms
Assay (HPLC)	BPC-157: 9.0mg ~ 11.0mg/vial GHK-Cu: 45.0mg ~ 55.0mg/vial TB500: 9.0mg ~ 11.0mg/vial KPV: 9.0mg ~ 11.0mg/vial	BPC-157: 10.12mg/vial GHK-Cu: 50.45mg/vial TB500: 10.08mg/vial KPV: 10.11mg/vial
Purity (HPLC)	Each peptide: NLT 98.0%	BPC-157: 99.23% GHK-Cu: 98.91% TB500: 99.18% KPV: 98.97%
Individual Impurities (HPLC)	Any individual impurity: NMT 1.0% Total impurities: NMT 2.0%	Conforms
pH (1% aqueous solution)	6.5 ~ 8.5	7.2
Water content (Karl Fischer)	NMT 5.0%	3.6%
Sodium ion	1.0 ~ 2.0%	1.3%
Residual solvents	Complies with ICH Q3C	Conforms
Bacterial endotoxins	NMT 10 EU/mg	<3 EU/mg
Microbial limits	TAMC NMT 100 cfu/g TYMC NMT 100 cfu/g E. Coli: Absent Salmonella: Absent	<10 cfu/g <10 cfu/g Absent Absent
Sterility	Sterile	Conforms
Storage	Keep in tight container, protected from light, store at a temperature of -20±5°C.	Conforms



Peptides in Blend	Sequence (Disulfide Bond)	Molecular Formula	CAS No.	Amount per vial
BPC-157	Gly-Glu-Pro-Pro-Ala-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Ala-Val (Disulfide bond: Cys2-Cys16)	C ₆₂ H ₉₈ N ₁₆ O ₂₂	137525-51-0	10mg
GHK-Cu	Gly-His-Lys (Copper(II) salt)	C ₁₄ H ₂₄ N ₆ O ₄ Cu	49557-75-7	50mg
TB-500	Thr-Lys-Pro-Arg-Lys-Ser-Arg-Lys-Met-Ala-Thr-Lys-Lys-Tyr-Leu-Ser-Arg-Gly-Leu-Pro-Gly	C ₈₆ H ₁₂₇ N ₂₃ O ₂₄	77591-33-4	10mg
KPV	Lys-Pro-Val	C ₁₈ H ₃₃ N ₅ O ₆	381249-49-4	10mg

Report	Li peng	Date	2026.06.03
Reviewer	Fang Hui Liao	Date	2026.06.03



Conclusion: This batch of product complies with Enterprise Standard.

It is only supplied as chemical product.
It is only for R&D use.

Testing Organization:
Shanghai High Purity Peptide Biotechnology Co., Ltd.
上海高纯肽生物科技有限公司