

Certificate of Analysis

Product	BPC 157	CAS No. :	137525-51-0
Product No. :	BPC157	Molecular Formula	C ₆₂ H ₉₈ N ₁₆ O ₂₂
Sequence	Gly-Glu-Pro-Pro-Pro-Ala-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Ala-Val (Disulfide bond:Cys ₂ -Cys16)		
Batch No.	BPC157-260601	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
Specific optical rotation $[\alpha]_D^{20}$	-20.0° to -40.0° (anhydrous and sodium ion-free substance)	-24.8°
Identification by HPLC	The retention time of the principal peak of the test solution corresponds to that of the reference solution, as obtained in the Assay.	Conforms
Mass spectrum	8745.9±2.0	8746.1
pH	6.5~8.5	7.2
Water content(KF)	NMT 8.0%	3.6%
Acid group ions	Trifluoroacetate ion NMT 0.5% Acetate ion NMT 0.5%	N.D N.D
Related substances(HPLC)	Any individual impurity: NMT 0.5% Total impurities: NMT 2.0%	0.15% 0.68%
Purity(HPLC)	NLT 98.0%	99.32%
Sodium ion	1.0~2.0%	1.2%
High molecular protein	NMT 0.5%	N.D
Amino acid content	Gly: 3.0~4.0 Glu: 2.0~3.0 Pro: 6.0~8.0 Ala: 3.0~4.0 Lys: 1.0~2.0 Asp: 2.0~3.0 Val: 1.0~2.0 Cys: 2.0~3.0 AEEA: Should be detected	3.6 2.4 7.1 3.4 1.5 2.6 1.3 2.1 Conforms



Residual solvent	Methylene chloride NMT 600ppm Acetonitrile NMT 410ppm Methyl tert-butyl ether NMT 5000 ppm DMF NMT 880ppm	N.D 45ppm N.D N.D
Peptide content	NLT 90.0%	91.3%
Bacterial endotoxins	NMT 10EU/mg	<3EU/mg
Microbial limits	TAMC NMT 100 cfu/g TYMC NMT 100 cfu/g E. Coli: Absent	<20 cfu/g <20 cfu/g Absent
Assay(C ₆₂ H ₉₈ N ₁₆ O ₂₂)	95.0%~105.0%(Calculated with reference to the anhydrous and sodium ion-free substance.)	99.2%
Storage	Keep in tight container, protect from light, store at a temperature of -20±5°C.	
Report	Li peng	Date 2026.06.03
Reviewer	Fang Hui Liao	Date 2026.06.03
Conclusion: This batch of product complies with Enterprise Standard. 合格		



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