

Certificate of Analysis

Product	BPC-157	CAS No.:	137525-51-0
Product No.:	BC	Molecular Formula	C ₆₂ H ₇₈ N ₁₆ O ₂₂
Sequence	Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val Pentadecapeptide (Body Protection Compound 157)		
Molecular Weight	1419.56	Quantity	2.0g
Batch No.	BC-2601A	Storage Temp.	-20±5°C
Mfg. Date	May.27 th , 2025	Retest Date	May.27 th , 2027

【ITEMS】		【SPECIFICATIONS】	【RESULTS】
Appearance		White or almost white powder	White powder
Solubility		Soluble in water	Conforms
Solution clarity and color		Clear and colorless liquid	Conforms
Identification	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	1419.6±1.0	1419.4
Amino acid content		Gly: 2.7~3.3	3.0
		Glu: 0.9~1.1	1.0
		Pro: 3.6~4.4	4.0
		Lys: 0.9~1.1	1.0
		Ala: 1.8~2.2	2.0
		Asp: 1.8~2.2	2.0
		Leu: 0.9~1.1	1.0
Related substances (HPLC)		Val: 0.9~1.1	1.0
		Largest single impurity: NMT 1.0%	0.29%
Purity (HPLC)		Total impurities: NMT 2.0%	1.15%
pH		NLT 99.0%	99.34%
Acid group ions		4.0~7.0	5.2
		Trifluoroacetate ion (TFA residue): NMT 1.0%	N.D
Water content (KF)		Acetate ion (acetic acid, counter-ion): NMT 15.0%	7.4%
Peptide content		NMT 8.0%	4.8%
Residual solvent		NMT 80.0%	82.5%
		Acetonitrile NMT 410ppm	31ppm
		Methanol NMT 3000ppm	N.D
Bacterial endotoxins		Methyl tert-butyl ether NMT 5000ppm	N.D
Microbial Limits		NMT 10EU/mg	1.3EU/mg
		Total aerobic bacteria ≤100cfu/g	Conforms
		Mould & Yeast ≤10cfu/g	Conforms
		Bile tolerant enterobacteria: absence in 1g	absent
		Pseudomonas aeruginosa: absence in 1g	absent
Assay		Staphylococcus aureus: absence in 1g	absent
Storage		95.0%~105.0% (Calculated on anhydrous, acetate-free basis)	96.4%
Report		Keep in tight container, protect from light, store at a temperature of -20±5°C.	
Reviewer			Date: Jun. 29 th , 2026
Conclusion: This batch of product complies with Enterprise Standard.			Date: Jun. 29 th , 2026

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

合格