

Guangzhou Anymang Technology Co., Ltd

Certificate of Analysis (COA)



Product Name	Retatrutide	CAS No.	2381089-83-2
Molecular Formula	C228H350N48O66	Molecular Weight	401.92
Batch No.	KT2026061001	Quantity	500g
Mfgr. Date	2026/5/29	Retest Date	2028/5/30

Tests	Acceptance Criteria	Results	Conclusion
Appearance	White to off-white powder	Conforms	Qualified
Solubility	Can be dissolved to 5mg/ml in pure water	Conforms	Qualified
Molecular Ion Mass	401.92±1	Conforms	Qualified
Amino Acid Analysis	Ser: 4.0 to 6.0	Ser: 4.2	Qualified
	Gly: 3.2 to 4.8	Gly: 3.8	Qualified
	Asp: 1.6 to 2.4	Asp: 2.0	Qualified
	Glu: 3.2 to 4.8	Glu: 3.4	Qualified
	Thr: 1.6 to 2.4	Thr: 1.8	Qualified
	Ala: 3.2 to 4.8	Ala: 4.0	Qualified
	Pro: 3.2 to 4.8	Pro: 3.8	Qualified
	Lys: 1.6 to 2.4	Lys: 2.0	Qualified
	Tyr: 1.6 to 2.4	Tyr: 2.2	Qualified
	Ile: 2.4 to 3.6	Ile: 2.8	Qualified
	Leu: 1.6 to 2.4	Leu: 1.8	Qualified
	Phe: 1.6 to 2.4	Phe: 2.0	Qualified
	Val: 0.8 to 1.2	Val: 0.9	Qualified
pH Value	7.0~9.0 (C=5mg/ml)	7.4	Qualified
Water Content (K.F)	NMT 8.0%	2.1%	Qualified
Purity (HPLC)	NLT 98.0%	99.2%	Qualified
Related Substances (HPLC)	Largest individual impurity NMT 1.0%	0.11%	Qualified
	Total impurities NMT 2.0%	0.22%	Qualified
Residual Solvent (GC)	Methylene chloride NMT 600ppm	N.D	Qualified
	Acetonitrile NMT 410ppm	198ppm	Qualified
	Methanol NMT 3000ppm	N.D	Qualified
	NN-Dimethylformamide NMT 880ppm	N.D	Qualified
	Isopropyl ether NMT 5000ppm	N.D	Qualified
Acid Group Ions (HPLC)	TFA NMT 0.1%	N.D	Qualified
	PO3 NMT 0.1%	N.D	Qualified
Bacterial Endotoxins	Comply with regulations	Conforms	Qualified
Microbial Limit	TAMC NMT 1000 cfu/g	Conforms	Qualified
	TYMC NMT 100 cfu/g	Conforms	Qualified

	Escherichia Coil presence Negative	Conforms	Qualified
	P.Aeruginosa Negative	Conforms	Qualified
	S.Aureus Negative	Conforms	Qualified
Sodium Ion	-	1.2%	-
High Molecular Protein	NMT 0.50%	N.D	Qualified
Peptide Content (Mass Balance)	NLT 80.0%	97.23%	Qualified

QUALITY CONTROL Conclusion: Conformed with the product standard

Storage Conditions: Keep in tight container, protect from light, store at a temperature of 20±5°C

