

Hangzhou Hyper Chemicals Limited

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CERTIFICATE OF ANALYSIS

Product Name:	MK 39		
Batch No.	MK39-20230918	Structure (VAibQGTFTSDYS1aMeLLDK) (SSPGGELLYEIFAAibQA) (AEEA)-γ-Glu-C20 diacid (G)35 (A) PPPS-NH2	
Manufacturing Date	September 18, 2023		
Retest Date	September 17, 2025		
Molecular Formula	C221H342N46O68		
Molecular Weight	4731.35		
CAS No.	2381089-83-2		
Quantity	16g		
	Analytical	Results	(Q)
ltems	Specific	ations	Results
Appearance	White or off-white powder	White powder	
Monoisotopic Mass	4728.47		Conforms
Water Content(K.F)	NMT 8.0%		6.8%
Purity (HPLC)	NLT 98.0%		99.415%
Related substances (HPLC)	The largest individual impurity testNMT 0.5%		0.415%
	The total impurities test NMT 2.0%		0.585%
Residual solvent(GC)	Methylene chloride NMT 600ppm		N.D
	Acetonitrile NMT 410ppm		N.D
	Methanol NMT 3000ppm		N.D
	NN-Dimethylformamide NMT 880ppm		N.D
	Isopropyl ether NMT 5000ppm		N.D
Acid group ions(HPLC)	TFA Content NMT 5.0%		N.D
	Acetic acid Content NMT 5.0%		N.D
Bacterial Endotoxins	NMT 10 EU/mg		Conforms
Peptide Content	NLT 80.0%		92.65%
Storage Conditions	Keep in tight container, protect from light, store at a temperature of-20±5°C.		
Conclusion	Conformed with the product standards 质检专用章		

Inspector: Carlifor Wu

Verifier: Jack He

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