

Certificate of Analysis for Discover Peptide

Name	Semax 10mg	CAS No.	<u>80714-61-0</u>
Formula	C37H51N9O10S	Origin	Chemical Synthesis
Lot No.	223101525	Manufacture Date	2025.10.15
Lot Size	/	Retest date	2027.10.14
Storage	Protected from light, at a temperature of 5±3°C		
Test Items	Acceptance Criteria	Test Results	
[Description]			
Appearance	White or Off-White Cake		
[Identification]			
HPLC Identification	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.		Conforms
[Test]			
Purity	NLT99.0%	99.4% 0.25%	
Related Substances	Individual Impurity NMT 0.1%	0.31%	
	Total Impurities NMT 2.0%	Less than 10s	
Reconstitution time	Less than 30s		
Clarity and Coloration of solution	Clear and colorless, or if its opalescence is not more pronounced than that of reference suspension 1		Conforms
Water	NMT5.0%	0.44%	
Higher molecular impurity	NMT0.5%	0.10%	
Sterility Tests	Meet Requirements		Conforms
Bacterial endotoxins	NMT10EU/mg	Less than 5EU/mg	
[Assay]			
Assay	95.0%-105.0% on C102H152N28O22S2	99.39%	
Content	10.4~12.9mg/vial	11.6mgVial	
Conclusion: The test results comply with the in-house specification.			
Important Notice: This PRODUCT IS INTENDED AS A RESEARCH CHEMICAL ONLY. This product is not a drug, food, or cosmetic.			