

Certificate of Analysis

Product	Thymosin-Alpha 1	Specs	5mg/vial
Client	Peptide Plus Pharma	Batch No.	PPPTA1507/26
Storage	Protected from light, at a temperature of 0°C		
Test Items	Acceptance Criteria	Test Results	
Appearance	White or off-white cake	White cake	
Solubility	Soluble in water	Conforms	
[Identification]			
HPLC Identification	The retention time of a major peak of the sample solution corresponds to that of a standard solution, as obtained in the Assay		Conforms
[Test]			
Purity	>99.0%	99.33%	
Related Substances	Individual impurity NMT 0.5%	0.45%	
	Total impurities NMT 1.0%	0.25%	
Clarity and colouration of solution	Clear and colourless solution	Conforms	
Water	NMT 5.0%	1.25%	
Sterility Tests	Meet Requirements	Conforms	
Bacterial endotoxins	NMT 20 EU/mg	Less than 5 EU/mg	
[Assay]			
Assay	≥5mg/vial	5.54mg/vial	
Conclusion: The test results comply with the in-house specification			



Verification Key
VA-XIW5KO-32ZL