

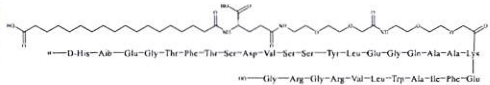


Certificate of Analysis



Certificate No.: 20250626007

Date: June 26, 2025

Retest date: June 17, 2028

Compound Name:	(1-D-His) Semaglutide	
TLC Catalogue Number:	PS-189032	
CAS Number:	N/A	
Alternate CAS Number:	N/A	
Molecular Weight:	4113.64	
Molecular Formula:	C ₁₈₇ H ₂₉₁ N ₄₅ O ₅₉	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	6786-085A3	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Acidic solution	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	95.0%
Impurity (HPLC)	RT 12.12, 1.56%; RT 14.76, 1.06%; RT 15.12, 1.62%	
Water Content (KF)	N/A	6.3%
Residual Solvents (qNMR)	1.0% trifluoroacetic acid	
Assay (%)	Not less than 85.0%	88.1%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/26/2025
Approved by:	Quality Assurance		06/26/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.