PEPTICIAN

CERTIFICATE OF ANALYSIS

Tirzepatide 50mg

Cat. No:	PCT8E0EB9	**Batch No:**	PCT-8E0EB9
CAS No:	2023788-19-2	**Issue Date:**	30 May 2025
Product Name:	Tirzepatide 50mg	**Quantity:**	50 mg

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C225H348N48O68	**Form:**	Lyophilised Powder
Molecular Weight:	4813.4 g/mol	**Storage:**	Powder: -20°C (3 yrs) ; 4°C (2 yrs) ; 15°C (3 mo) In solution: -80°C (6 mo) ; -20°C (1 mo) ; 10°C (1 wk)

RESEARCH APPLICATIONS

Glucose regulation, GLP-1/GIP dual agonism, metabolic research, obesity studies

ANALYTICAL DATA

Test Item	Specification	Result	Status
Appearance	White to off-white lyophilised powder	Conforms	**PASS**
Purity (HPLC)	>98%	98.4%	**PASS**
TFA Content	<0.50%	Conforms	**PASS**
Solubility	Soluble in sterile water or acetic acid (0.6%)	Conforms	**PASS**

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only. Not for human consumption.