Tirzepatide (25110201)

Product Name:	Tirzepatide		
Sequence	Tyr-{Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{Aib}-Leu-Asp-Lys-Ile-Ala-Gln-{diacid-C20-gamma-Glu-(AEEA)2-Lys}-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2		
Batch No.	25110201	Formula	$C_{225}H_{348}N_{48}O_{68}$
Salt Type	Na^+	CAS	2023788-19-2
Manufacturing Date	November 5, 2025	Expiry Date TO	November 4, 2027
Analytical results			
Items	Specifications		Results
Appearance	White powder		Conforms
Solubility	Soluble in water		Conforms
Related Substances (HPLC)	Maximum single impurity≤0.5%		0.19%
	Total impurities ≤2.0%.		0.69%
Purity	≥99%		99.31%
Water Content	≤ 10%		4.50%
Acetic acid	≤ 2%		ND
Sodium ion	≤ 3%		1.5%
Trifluoroacetic acid	≤ 5000ppm		ND
Residual solvents	Methanol: ≤300ppm		ND
	Isopropanol: ≤ 500ppm		ND
	Acetonitrile: ≤ 410ppm		9ppm
	Methylene chloride: ≤ 600ppm		ND
	N,N-Dimethylformamide:≤800ppm		ND
Assay	95.0%～105.0%		99.4%
Peptide content	≥90%		93.3%
pH	6.0-9.0		7.3
Bacterial endotoxin	<5EU/mg		Conforms
Mass Spectrum	4813.45		Conforms
Storage	In the air tight container, protected from light at temperature -20 °C.		
Notes	Not for human use, for research purpose only.		
Conclusion	This product conforms to the standard.		