



Wuhan Yingnuo Technology Co., Ltd.

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Certificate of Analysis

产品名称 Product Name	Tirzepatide	CAS No.:	2023788- 19-2
盐类型 Salt Type	Na ⁺	批号 Batch No.	P240412
序列 Sequence	Tyr- {Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile- {Aib}-Leu-Asp-Lys-Ile-Ala-Gln- {di acid-gamma-Glu-(AEEA)2-Lys}-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂		

Test 检测项目	Specification 标准	Result 结果
外观 Appearance	白色或灰白色粉末 White or off-white powder	Conforms
溶解性 Solubility	Soluble in H ₂ O	Conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to the principal peak in the chromatogram obtained with reference solution	The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to the principal peak in the chromatogram obtained with reference solution
澄清度 Clarity and color of solution	无色澄清 Clear and colorless	Conforms
分子量 Mass Spectrum	4813.45±1.0	4814.40
纯度 Purity(HPLC)	≥98%	99.35%
水分 Water	≤ 10.0%	3.5%
醋酸含量 Acetic acid	≤ 5.0%	N.D
钠离子 Sodium ion	≤3.0%	2.3%
细菌内毒素 Bacterial endotoxin	<10EU/mg	Conforms
Residual solvents 残留溶剂	Methanol: ≤ 0.3% Isopropanol: ≤ 0.5% Acetonitrile: ≤ 0.041% Methylene chloride: ≤ 0.06% N,N-Dimethylformamide: ≤ 0.088% Tert-butyl methyl ether: ≤ 0.5%	Methanol: N.D Isopropanol: N.D Acetonitrile: 0.025% Methylene chloride: N.D N,N-Dimethylformamide: N.D Tert-butyl methyl ether: N.D

肽含量 Peptide Assay	≥90.0%	Conforms
包装和储存 Packaging and storage	2~8℃， 遮光保存。 Store at a temperature of 2~8℃, protected from light.	
结论 Conclusion	检测结果与内控质量标准相符。 The test results comply with the requirements of in-house specification.	
备注 Remark	仅作为化工产品供应。 It is only supplied as chemical product.	

***Note: this product is intended for research use only; not for diagnostic or human use.**

***Important: Stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated.**

起草/日期	复核/日期	批准/日期
Prepared by/Date	Reviewed by/Date	Approved by/Date
April 25, 2024	April 25, 2024	April 25, 2024

