



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Tirzepatide

CAS: 2023788-19-2

Batch Number: FTF0251029 **Batch Quantity:** 8kg

Manufacture Date: Oct.27th,2025 **Analysis Date:** Oct.28th,2025 **Certificate Date:** Oct.29th,2025

Storage Store in cool & dry place. Store in well-closed containers.

Shelf life 3 years when properly stored.

Item	Specification	Results
Appearance	White or almost white powder	White powder
Molecular Ion Mass	4813.45	Conforms
Purity (HPLC)	NLT 98.0%	99.74%
Related substances (HPLC)	Total impurities: NMT 2.0%	0.83%
	Maximum single impurity: NMT 1.0%	0.34%
Acetic acid Content (HPLC)	NMT 15.0%	N.D
TFA Content (HPLC)	NMT 1.0%	N.D
Water Content (K.F)	NMT 8.0%	7.43%
pH	Reported value(C=5mg/ml)	8.50
	Acetonitrile NMT 410ppm	91ppm
	Methanol NMT 3000ppm	26ppm
	Methylene chloride NMT 600ppm	N.D
Residue solvents(GC)	Isopropyl ether NMT 5000ppm	13ppm
	N,N-Dimethylformamide NMT 880ppm	N.D
Oligomer	NMT 3.0%	N.D
Bacterial Endotoxins	NMT 10 EU/mg	Conforms
Microbial Limits	TAMC NMT 50 cfu/0.1g	Conforms
	TYMC NMT 50 cfu/0.1g	Conforms

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 **INSPECTOR:** 黄子烨

