



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Semaglutide

CAS: 910463-68-2

Batch Number: FTF0250212 **Batch Quantity:** 2.8kg

Manufacture Date: Feb.10th,2025 **Analysis Date:** Feb.11th,2025 **Certificate Date:** Feb.12th,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 fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	≤ 8.0%	4.8%
Sodium ion	≤ 5.0%	2.1%
Trifluoroacetic Acid	≤ 0.5%	Not Detected
Peptide Purity (By HPLC)	≥ 98.0%	99.82%
Related Substance	Total Impurities(%) ≤ 2.0%	0.18%
(By HPLC)	Largest Single Impurity(%) ≤ 1.0%	0.13%
Bacterial Endotoxins	≤10EU/mg	Conform
Total Aerobic Microbial Count	≤10 ² cfu/g	Conform
Total Yeast And Mold Count	≤10 ² cfu/g	Conform
Assay	95.0 ~ 105.0%	101.54%
Residual Solvents	Acetonitrile:NMT 410ppm	138ppm
	Dichloromethane:NMT 600ppm	Not Detected
	DMF:NMT 880ppm	Not Detected

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 **INSPECTOR:** 黄子烨

