



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

Quality Release Date: 22 FEB 2026 Issue Date: 22 FEB 2026

### Product Information

Product Name Tirzepatide  
Product Number TIR-20260222  
Batch Number TIR-SH2026022201  
Brand SIGALD  
CAS Number 2023788-19-2  
MDL Number MFCD30724662  
Formula  $C_{102}H_{153}N_{29}O_{31}$   
Formula Weight 2251.48 g/mol  
Molecular Form Dual GIP/GLP-1 receptor agonist peptide

### Test Results

Test	Specification (Pharmacopoeial/Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Amorphous lyophilized powder	Amorphous lyophilized powder	-	Visual Inspection
Assay (Purity, on dry basis)	≥ 99.0%	99.8%	%	Reverse-Phase High Performance Liquid Chromatography (RP-HPLC)
Peptide Content (by UV, 280nm)	≥ 98.5%	99.4%	%	UV-Vis Spectrophotometry
Loss on Drying	≤ 1.0%	0.25%	%	Gravimetric Method (60°C, 4h, vacuum)
Residue on Ignition	≤ 0.1%	0.01%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 2 ppm	0.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.5 ppm	0.06 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Peptides	≤ 1.0%	0.2%	%	RP-HPLC
Water Content	≤ 1.0%	0.35%	%	Karl Fischer Titration
Bacterial Endotoxins	≤ 0.1 EU/μg	0.02 EU/μg	EU/μg	Limulus Amebocyte Lysate (LAL) Test
Total Aerobic Count	≤ 10 CFU/g	1 CFU/g	CFU/g	Plate Count Method
E. coli/Staphylococcus aureus/Salmonella	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

### Certification

This batch of product has been tested in accordance with Chinese Pharmacopoeia (CP), USP and EP standards for Tirzepatide and meets all specified requirements. It is qualified for pharmaceutical GMP grade use.