



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

(Hydrolyzed Collagen (30%))

Issue Date: 20 FEB 2026 Quality Release Date: 20 FEB 2026

Product Name

Hydrolyzed Collagen (30%) 水解胶原蛋白 (30%)

Product Information

Product Number HC-20260220

Batch Number HC-SH2026022001

Brand SIGALD

CAS Number 9064-67-9 (Hydrolyzed Collagen)

MDL Number N/A (Biological hydrolyzate)

Formula Polypeptide mixture (amino acid chain: Gly-Pro-Hyp repeat units)

Formula Weight 2000 ~ 10000 Da (low molecular weight hydrolyzate)

Form Colorless to pale yellow clear aqueous liquid, no sediment

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid, no sediment/impurity	Clear liquid	-	Visual Inspection (25°C)
Assay (Hydrolyzed Collagen)	29.0 ~ 31.0%	30.5%	%	Kjeldahl Method (N×6.25)
pH Value (25°C)	5.0 ~ 7.0	6.3	-	Digital pH Meter
Average Molecular Weight	2000 ~ 10000 Da	5800 Da	Da	Gel Permeation Chromatography (GPC)
Heavy Metals (Pb)	≤ 5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Heavy Metals (Hg)	≤ 0.1 ppm	<0.05 ppm	ppm	Cold Vapor Atomic Absorption Spectrometry
Total Bacterial Count	≤ 100 CFU/mL	22 CFU/mL	CFU/mL	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Staphylococcus aureus	Negative	Negative	-	Microbiological Detection
Loss on Drying	≤ 0.5%	0.3%	%	105°C Oven Drying Method
Water Solubility (25°C)	Fully soluble, no precipitation	Conforms	-	Solubility Test

Certification

This batch of product has been tested in accordance with industrial standards for Hydrolyzed Collagen (30%) aqueous solution and meets all specified requirements. It is qualified for use in food, cosmetic, health care and daily chemical product fields.