



# NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.  
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

## Certificate of Analysis

**Product Name: Hydrolyzed Keratin**

### Product Information

Product Number HK-20260220  
Batch Number HK-SH2026022001  
Brand SIGALD  
CAS Number 69430-36-0  
MDL Number N/A (Hydrolyzed biological macromolecule)  
Formula Variable (Polypeptide mixture from keratin hydrolysis)  
Formula Weight 2000-10000 Da (Controllable molecular weight)  
Quality Release Date 20 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	Off-white	-	Visual Inspection
Appearance (Form)	Free-flowing powder, no caking	Free-flowing powder	-	Visual Inspection & 100-mesh Sieve Test
Protein Content (on dry basis)	≥ 90.0%	92.5%	%	Kjeldahl Method
Degree of Hydrolysis	25.0-40.0%	32.8%	%	Potentiometric Titration
Moisture Content	≤ 5.0%	3.1%	%	Karl Fischer Titration
pH Value (1% aqueous solution, 25°C)	5.0-7.0	6.3	-	Digital pH Meter
Heavy Metals (Pb)	≤ 5 ppm	0.9 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	0.03 ppm	ppm	Cold Vapor Atomic Absorption Spectrometry
Total Bacterial Count	≤ 100 CFU/g	22 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Yeast & Mold	≤ 50 CFU/g	15 CFU/g	CFU/g	Plate Count Method
Solubility (in water, 25°C)	≥ 95.0%	98.6%	%	Gravimetric Method
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

### Certification

This batch of product has been tested in accordance with industrial standards for Hydrolyzed Keratin and meets all specified requirements. It is qualified for use as cosmetic, food, feed and textile industry raw material.

Issue Date:20 FEB 2026