



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: H.A.P (Hydrolyzed Animal Protein) (Food Grade)

Product Information

Item	Details
Product Number	HAP-20260220
Batch Number	HAP-SH2026022001
Brand	SIGALD
CAS Number	N/A (Natural protein hydrolysate mixture)
MDL Number	N/A (No specific MDL for protein hydrolysate)
Formula	Hydrolyzed natural animal protein (amino acids, small peptide mixture)
Formula Weight	Variable (100-5000 Da, peptide & amino acid blend)
Quality Release Date	20 FEB 2026

Test Results (Compliant with National Food Additive Standards)

Test	Specification	Result	Unit	Test Method
Appearance	Pale yellow to light brown amorphous powder; free-flowing	Pale yellow powder	-	Visual Inspection
Odor	Characteristic mild meaty aroma; no off-flavor	Typical meaty aroma	-	Sensory Evaluation
Total Nitrogen Content	≥ 12.0%	13.5%	%	Kjeldahl Method
Degree of Hydrolysis	≥ 80.0%	86.2%	%	OPA Method
Moisture Content	≤ 5.0%	3.8%	%	Karl Fischer Titration
Ash Content	≤ 8.0%	6.5%	%	Gravimetric Method (550±25°C)
pH Value (1% aqueous, 25°C)	5.0-7.0	6.2	-	Digital pH Meter
Heavy Metals (as Pb)	≤ 5 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤ 0.1 ppm	<0.01 ppm	ppm	AAS
Mercury (Hg)	≤ 0.01 ppm	<0.01 ppm	ppm	Cold Vapor Atomic Absorption
Total Bacterial Count	≤ 1000 CFU/g	215 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative in 25g	Negative	-	Microbiological Detection
Coliforms	≤ 30 MPN/100g	12 MPN/100g	MPN/100g	Fermentation Method

Certification

This batch of **Food Grade H.A.P (Hydrolyzed Animal Protein)** has been tested in accordance with the national food additive standards for protein hydrolysates and meets all specified requirements. It is qualified for food production and application.

Date: 20 FEB 2026