Silk Peptide

Water-soluble powder obtained by hydrolysis of silk fibroin. The cosmetic ingredient name is Hydrolyzed Silk. Supplied for formulation evaluation in hair care, skin care and cleansing systems.

INCI: Hydrolyzed Silk | CAS No.: 96690-41-4 | Source: Silk fibroin

Technical profile

Parameter	Reference specification
Total nitrogen	≥14.5%
Loss on drying	≤5%
Residue on ignition	≤4%
pH	4.5-6.5
Molecular weight	500-30,000 Da
Lead (Pb)	≤0.5 mg/kg
Arsenic (As)	≤0.5 mg/kg
Mercury (Hg)	≤0.2 mg/kg
Total bacterial count	≤1,000 CFU/g
Pathogenic bacteria	Not detected

These are product reference values, not results for a specific batch. The agreed purchase specification and the batch COA govern supply.

Applications

Shampoos, conditioners, masks, creams, lotions, serums and cleansing formulations. Introduce with suitable aqueous-phase mixing and assess stability and compatibility in the finished formula.

Packing and storage

Packing: 20 kg/bag
Storage: Keep in a cool, dry place, away from strong light and heat.
Shelf life: 2 years in unopened original packaging.

Confirm suitability for the intended formulation and destination market. Obtain applicable safety and handling information separately; this TDS is not a safety data sheet.

Shanghai Protide Biotech Co., Ltd.
Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
sales@protidebio.com | +86 21 5426 5599 | www.protidebio.com