

Hydrolyzed Keratin

TECHNICAL DATA SHEET

Hydrolyzed feather keratin supplied as powder and liquid grades for hair care, skin care and cleansing formulations.

CAS No.	69430-36-0
Source	Waterfowl feathers
Physical form	Off-white powder; liquid grades available

Product Information

Hydrolyzed keratin is produced from waterfowl feather protein. The range comprises the off-white HKP-P90 powder and yellow to dark brown liquids. Powder is preservative-free; the liquid grades use a customized preservative solution.

The grade matrix differentiates nitrogen, dry residue, ash, pH and microbiological parameters. Powder specifications and safety information apply to HKP-P90; liquid composition and preservative selection are identified for the particular liquid order. The cosmetic ingredient name is Hydrolyzed Keratin.

Product series: HKP-P90 · HydroTide® HKP-L10 / HKP-LK10C · HydroTide® HKP-L20 / HKP-LK20C · HydroTide® HKP-L30 / HKP-LK30C

Specifications

Parameter	Specification
INCI name	Hydrolyzed Keratin
HKP-P90 nitrogen	14.40%
HKP-P90 dry residue	7%
HKP-P90 ash	6%
HKP-P90 pH	5.5–7.5
HKP-P90 protein	≥90%
HKP-P90 bulk density	≥0.2 g/mL
Heavy metals (as Pb)	≤10 ppm
Arsenic	≤1 ppm
HKP-P90 total bacteria	<1,000 CFU/g
Liquid grade total bacteria	<100 CFU/g
Harmful bacteria	Negative
Powder additives	Preservative-free
Liquid additives	Customized preservative solution

Typical values. The COA of each batch prevails.

Product Series

HKP-P90	Off-white powder; nitrogen 14.40%, dry residue 7%, ash 6%, pH 5.5–7.5; preservative-free.;
HydroTide® HKP-L10 / HKP-LK10C	Liquid; nitrogen $\geq 1.4\%$, dry residue $\geq 10\%$, ash $\leq 1\%$, pH 4–7.;
HydroTide® HKP-L20 / HKP-LK20C	Liquid; nitrogen $\geq 2.8\%$, dry residue $\geq 20\%$, ash $\leq 2\%$, pH 4–7.;
HydroTide® HKP-L30 / HKP-LK30C	Liquid; nitrogen $\geq 4.2\%$, dry residue $\geq 28.5\%$, ash $\leq 3\%$, pH 4–7.;

Typical Properties & Commercial Information

HS code	3504.00
MOQ	500 kg
Packing	Powder: 10 kg/box
Lead time	Approximately 14 days
Free sample	500 g
Incoterms	FOB / CFR / CIF
Supply	5,000 MT/year

Free sample: up to 500 g. Courier cost payable or use your courier account.

Applications

Shampoos and conditioners: Hydrolyzed keratin provides a protein ingredient option for suitable shampoo and conditioner formulations.

Hair treatments: The HKP powder and HydroTide® liquid series can be evaluated in hair masks, treatments and other hair care products.

Skin care and cleansing: Formulators may incorporate hydrolyzed keratin into suitable skin care and cleansing products.

Packaging & Storage

Packaging	Powder: 10 kg/box
Storage	Keep sealed in a cool, dry place, protected from moisture and direct sunlight.
Shelf life	2 years in unopened original packaging.

Certifications & Documents

ISO 9001 · ISO 22000 · HACCP · KOSHER · FSSC 22000 · GMP · HALAL

Batch COA, technical data sheet and safety data sheet.

Company Contact

Supplier: Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)

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The agreed purchase specification and the COA of each batch govern supply.