

Keratin Protein, Hydrolyzed

Specification Sheet

Description: Sheep-wool derived, hydrolyzed alpha-keratin protein carefully monitored during its manufacture to ensure the lowest possible odor and a low ash. Keratin is a highly specialized fibrous protein, which is found in hair, feathers, wool, and nails. Keratin is distinct from other proteins in that it is rich in cysteine (a sulfur-containing amino acid) giving keratin a unique strength and protective quality. Derived from sheep's wool. Contains 20-23% of protein. Molecular weight: 1,100-3,300 Da. Gluten-free.

CAS: 7732-18-5, 69430-36-0, 107-88-0

INCI Name: Water, hydrolyzed keratin, butylene glycol

Composition: Water, hydrolyzed keratin, butylene glycol, phenoxyethanol, ethylhexylglycerin

Appearance: Clear amber liquid, characteristic odor

Benefits:

- Revitalizes the hairs natural protective layer and rebuilds tensile strength.
- Returns elasticity and reduces breakage.
- Reduces hair damage from harsh chemicals.
- Acts also as a protective care substance on the skin.

Use: Can be added to formulas as is; add to water-phase of formula. Recommended use level: 1-5%. For external use only.

Applications: All kinds of hair care products including shampoos, hair conditioners, hair balms, hair pomades and skin care products including lotions and creams.

Solubility: Water-soluble.

Preservation: Butylene glycol, phenoxyethanol, ethylhexylglycerin

Storage: Store away from direct sunlight at a dry place at room temperature.

Country of Origin: USA

Raw material source: Sheep wool



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Manufacture: Hydrolyzed keratin protein is made by creating an alkaline solution with washed and degreased sheep wool and then adding a blend of proteases to induce enzymatic hydrolyzation. After enzyme inactivation the solution is purified and filtered.

Animal Testing: Not animal tested.

GMO: GMO-free.

Vegan: Derived from sheep wool.

HS Code: 3304910000