

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. pH value: 5.0-5.8. Contains 20-23% of protein. Molecular weight: 1,100-3,300 Da. Preserved with butylene glycol, phenoxyethanol, and ethylhexylglycerin. Clear amber liquid. Characteristic odor. Soluble in water.

CAS: 69430-36-0, 107-88-0, 122-99-6, 70445-33-9

INCI Name: Hydrolyzed keratin protein, butylene glycol, phenoxyethanol, ethylhexylglycerin

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%. Store in refrigerator. For external use only.

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

Country of Origin: USA

Raw material source: Sheep wool

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. Gluten-free.

Vegan: No