



#### **Wool Keratin**

**Natural Source:** Wool

**Active Ingredients:** Hydrolyzed Keratin

**Specifications:** 98% Keratin

**CAS.NO:** 69430-36-0

**Assay Method:** HPLC

**Appearance:** Fine White to creamy white powder

**Country of origin:** P.R. China

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#### **Description**

Keratin is a family of fibrous structural proteins which is the key structural material making up the outer layer of human skin. It provides the necessary strength and toughness for masticatory organs, such as the tongue and the hard palate. Keratin monomers assemble into bundles to form intermediate filaments, which are tough and form strong unmineralized tissues found in reptiles, birds, amphibians, and mammals. The only other biological matter known to approximate the toughness of keratinized tissue is chitin.

Hydrolyzed Keratin is active ingredient for various cosmetic products such as hair care products and nail care products and for production of professional hair cosmetics appropriated to protection before damaging effects of oxidizers (coloring) as well as reducers (perm) and to intensive regeneration of scalp and hair damaged by hairdressers manipulations.

#### **Applications**

##### **1. Skin Care:**

This product applied on the human skin is with the function of moisturizing, anti-wrinkle, adding nutrition, which is used for the raw material of high quality mask, moisturizer and cleanser, can

also be used for shampoo and hair care products, bath liquid and so on.

2. Medicines and Health Products :

This product can improve body metabolism, immune function, inhibit cancer cells, activated cells. It has significant function in delaying the human aging, preventing osteoporosis.

3. Food:

This product can be added to bread, cakes and various snacks, improve food nutrition structure, especially for children and the elderly digestion and absorption.

4. Dairy products:

This product can be widely used in milk drinks, fresh milk, yogurt and other liquid dairy products. It has the function of anti-whey precipitation, emulsion stability.

5. Beverages:

This product can be added to a variety of beverages to make high-energy drinks, play a complementary role in the supplemental energy and body building.

