

# KeraGLO<sup>®</sup> Food Grade Hydrolyzed Keratin



## Beauty from Within

Keratin is a structural protein that connects epithelial (skin) cells together and protects them from environmental damage. However, keratin itself is insoluble and is poorly absorbed in the body. Hydrolyzed keratin is keratin protein that has been broken down into smaller molecules and is readily absorbed in the body when consumed orally.

Our KeraGLO<sup>®</sup> Hydrolyzed Keratin is from poultry feathers and is extensively hydrolyzed to improve absorption. Other forms of hydrolyzed keratin are only partially hydrolyzed and are poorly absorbed and thus may be of limited benefit when used in *Beauty from Within* products.

## Features & Benefits

Easily absorbed, highly digestible powder ideal for *Beauty from Within* products – capsules, powders, tablets, liquids, etc.

Analysis confirms high amounts of the important amino acids for supporting hair, skin and nails. This unique hydrolyzed keratin formula contains about 92% free amino acids and about 8% dipeptides and tripeptides, which represent the building blocks of keratin.

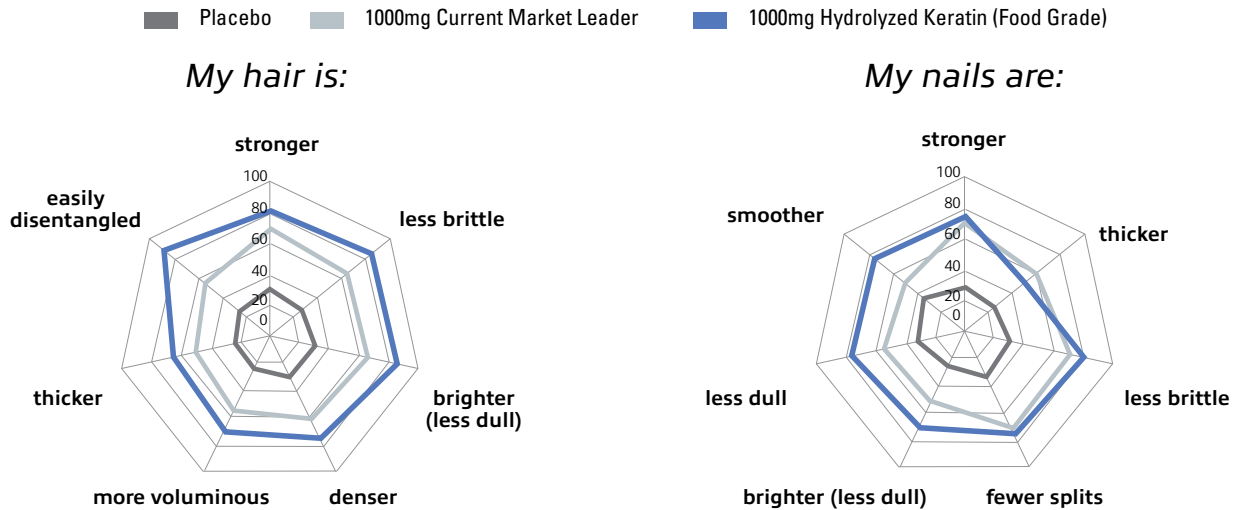
High levels of the four important amino acids that support hair, skin and nails – Cysteine (>5%), Lysine, Arginine and Methionine.

Low levels of ash compared with other less hydrolyzed keratins.

Clinical studies show improvements in hair brightness, brittleness and entanglements, and improvements in nail brittleness, smoothness and dullness, after 45-90 days.

Combine with other *Beauty from Within* ingredients such as hydrolyzed collagen, hydrolyzed elastin (ElastaGLO<sup>®</sup>), biotin, other vitamins and minerals, hyaluronic acid, horsetail extract, etc.

# Women's Satisfaction After 90 Days Supplementation



## Mechanism of Action

Hydrolyzed Keratin promotes keratinocyte growth and proliferation, stimulating keratin production in hair, skin and nails.

## Applications

- ..... Dietary Supplements
- ..... Functional Foods & Beverages
- ..... Candies & Gums
- ..... Animal Health

## Product Characteristics

- ..... White free flowing, water-soluble powder
- ..... Food Grade  
(made in a food compliant facility)
- ..... A cosmetic (non-food) grade is also available
- ..... < 800 Daltons molecular weight
- ..... Allergen-free
- ..... Non-GMO – no genetic engineering
- ..... Pure hydrolyzed keratin – no preservatives or antioxidants
- ..... Recommended dose 500 – 1,000 mg / day
- ..... Shelf life: 2 years

## Structure/Function Claims

KeraGLO® Hydrolyzed Keratin is a *Beauty from Within* ingredient that supports hair, skin and nails

High bioavailability due to extensive hydrolysis to amino acids and peptides

Enhances hair brightness, density and volume by bonding with hair strands

Supports skin firmness and elasticity by improving skin protein structure and moisture retention

Supports nail brightness, strength and growth by binding with the nail

Promotes skin firmness and elasticity

Improves skin brightness and radiance

## Safety/Regulatory

Hydrolyzed keratin is sourced from poultry feathers. Hydrolysis breaks down the keratin protein to yield digestible food grade amino acids.

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