



Hydrolyzed Wheat Protein

Vege Tech Hydrolyzed Wheat Protein is a superior specialty protein that is amber in color and pleasant in odor, making it ideal for use in skin and hair formulations. It is manufactured with carefully monitored hydrolysis to ensure a complex of polypeptides ranging in molecular weights from a high of 50,000 down to those of amino acids. The object of having such a broad distribution is to provide the damaged hair substrates with a wide range of chain lengths. This optimizes penetration into the hair cortex thus conditioning and repairing from the inside out, while its continuous protective film-forming properties helps fill damaged gaps and lay the cuticle down by linking platelets of protein molecules. These penetrating, bonding and shielding properties support a lustrous, mirror-like shine with conditioning effects. In hair spray applications, our Hydrolyzed Wheat Protein at usage levels greater than 10% is an excellent natural substitute for synthetic fixative hair resins.

In topical skin care formulations, the Hydrolyzed Wheat Protein provides a colloid effect through its polymeric coating action, yielding highly effective moisturizing properties. It is compatible with anionic, amphoteric and cationic surfactants, does not affect the rheological properties of any emulsions. It is compatible with a wide pH range and is readily soluble in water, water/alcohol, glycerin and glycols.

When our Hydrolyzed Wheat Protein is formulated with Sodium-PCA, the native essential amino acid content closely simulates the skin's own Natural Moisturizing Factor (NMF). This NMF action provides excellent hydrating and antioxidant effects to skin.

FEATURES & BENEFITS

- » wide Dalton range (300-50,000)
- » excellent hair repair ingredient
- » adds shine and luster
- » film former
- » natural alternative to synthetic hair spray resins
- » rich amino acid profile
- » anti-aging, skin moisturizing

INCI:

Hydrolyzed Wheat Protein

CAS #:

22240-28-4

70084-87-6

73049-73-7

EINECS/ELINCS: N/A

SUGGESTED USE LEVELS:

Skin care: 0.5% - 5%

Hair care: 0.5% - 20%

pH: 4 - 7

PACKAGING:

Hydrolyzed Wheat Protein is available in the following standard sizes:

- » sample size (2 fl oz)
- » 40 lbs (5 gal pail)
- » 240 lbs (30 gal drum)
- » 400 lbs (55 gal drum)

SHELF LIFE:

12 months after date of manufacture.

Protect from freezing and excessive heat.

*** **NOT FOR HUMAN CONSUMPTION** ***