



## **HYDROLYZED WHEAT PROTEIN**

### **VP-8560.000W**

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 cortex thus Conditioning and Repairing the hair from the inside out while its continuous protective Film-Forming properties fills damaged gaps, and lays the cuticle down by linking platelets of protein molecules. These Penetrating, Bonding & Shielding properties leave a lustrous and mirror-like shine with excellent Conditioning effects.



In Hair Spray applications Vege Tech Hydrolyzed Wheat Protein at usage levels >10% is an excellent **NATURAL SUBSTITUTE** for synthetic fixative hair resins.

In topical skin care formulations, Vege Tech 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 emulsion. It is compatible with a wide pH range and is readily soluble in water, water/alcohol, glycerin and glycols.



When Vege Tech 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 Hydration & Antioxidant effects to skin.

## Features & Benefits

- Excellent Hair Repair Ingredient
- Wide Dalton Range (300-50,000)
- Adds Healthy Shine & Luster
- Anti-Aging & Skin Moisturizing
- Excellent Film Former
- Rich Amino Acid Profile
- Natural Alternative to Synthetic Hair Spray Resins

## Amino Acid Profiles

Amino Acid	Wheat
Alanine	2.9
Arginine	3.7
Aspartic Acid	3.4
Cystine	2.5
Glutamic Acid	40.0
Glycine	3.6
Histidine	2.3
Isoleucine	3.9
Leucine	7.1
Lysine	2.1
Methionine	1.7
Phenylalanine	6.1
Proline	12.5
Sernine	4.1
Threonine	2.5
Tyrosine	2.5
Valine	4.5

<b>INCI:</b>	<b>CAS #:</b>	<b>EINECS/ELINCS:</b>	<b>JIC:</b>
Hydrolyzed Wheat Protein	22240-28-4 70084-87-6 73049-73-7	N/A	N/A

### **Suggested Use Levels:**

Skin Care: 0.5% - 5%

Hair Care: 0.5% - 20%

**pH: 4 - 7**

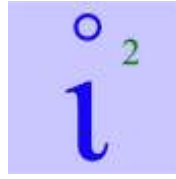
### **Packaging:**

Vege Tech Hydrolyzed Wheat Protein is available in the following standard sizes:

- Sample size (2 fl. oz.)
- 8 lbs. (1 gal.)
- 40 lbs. (5 gal. pail)
- 240 lbs. (30 gal. drum)
- 400 lbs. (55 gal. drum)
- 2,200 lbs. (275 gal. tote)

**Shelf Life:** 1 year @ 25° C (77° F). Protect from freezing.

ALL MID, SOUTH, NORTH, & WESTERN U.S. STATES



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