



## **Litein W Hydrolyzed Wheat Protein**

### **VP-9860.000W**

Litein W is an enzymically produced hydrolyzed wheat protein that is translucent in color with a very mild, pleasant odor, making it ideal for Hair or Skin Care applications where Clarity or Native Odor profiles are of paramount concern. Vege Tech Litein W features a rich complex of polypeptides, a high ratio of protein to total solids as well as high cysteine content. Having an average molecular weight of approximately 2000 Daltons down to those of Amino Acids, Litein W optimizes penetration into the hair cortex, Conditioning and Repairing the hair from the inside out, and lays the cuticle down by linking platelets of protein molecules. This clear, protective, and continuous non-flaking film, fills damaged gaps and increases tensile strength while adding high reflectivity and refractivity that brings new life to dull, abused, and weakened hair. The Conditioning effects of Vege Tech Litein W leaves hair softer, healthy looking, full of bounce and shine.

In topical skin care formulations, Vege Tech Litein W 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.

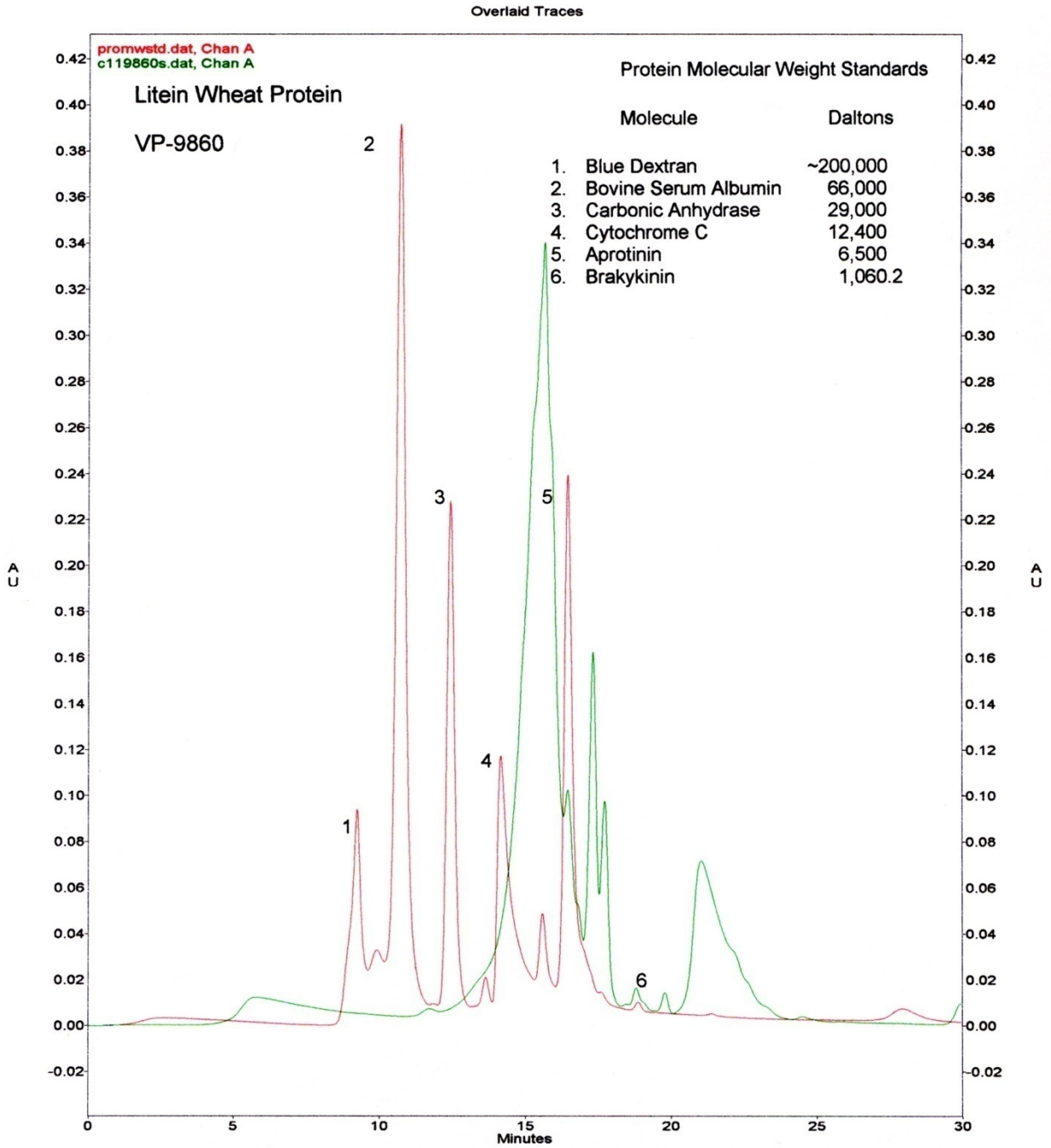
### **Features & Benefits**

- Excellent Hair Repair Ingredient
- Excellent Film Former
- Adds Healthy Shine & Luster
- Rich Conditioning Effects
- Skin Moisturizing
- Low Odor, Transparent Color
- Beneficial Amino Acid Profile
- Anti-Aging, Diminishes Fine Lines & Wrinkles
- Dalton Range (300-2,000)

## 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

# Chromatograph Of Vege Tech Litein W Hydrolyzed Wheat Protein



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

**SUGGESTED USE LEVELS: 0.5% - 5%**

**pH: 4 - 6**

**Packaging:**

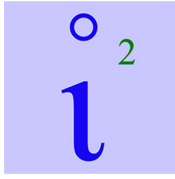
Vege Tech Litein W is available in the following standard sizes:

- 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 (excluding Northern CA, OR & WA)



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