

Hemp Peptide Powder



Price: ~~\$66.00~~ **\$62.00**

What is Hemp Peptide Powder?

Hemp Peptide Powder is produced by subjecting organic hemp protein to a controlled enzymatic hydrolysis process. This breaks down the larger protein molecules into smaller peptides, which are more readily assimilated by the body. The result is a fine, light-colored powder that retains the inherent nutritional benefits of hemp, including its complete amino acid profile, while significantly improving solubility and digestibility. With a mild, slightly nutty flavor, **Hemp Peptide Powder** is designed for seamless integration into diverse formulations, providing superior nutritional delivery and enhanced functional performance.

Unlock the next generation of plant-based nutrition with **Hemp Peptide Powder**, a cutting-edge ingredient derived from high-quality organic hemp protein. Through advanced enzymatic hydrolysis, we transform hemp protein into smaller, more easily absorbed peptides. This enhances digestibility,

bioavailability, and functional properties, making our **Hemp Peptide Powder** an ideal choice for manufacturers seeking to innovate in the nutraceutical, sports nutrition, and functional food sectors. It offers a clean label, a complete amino acid profile, and unique benefits for product development.

Specifications

Parameter	Value
Protein Content	≥90% (Dry Basis)
Peptide Size Distribution	500-2000 Da
Degree of Hydrolysis	25-30%
Bulk Density	0.35-0.45 g/cm ³
Particle Size	D90 <50µm
Solubility	>99% in water (25°C)
Certifications	BRC, Kosher

Key Features

- **Enhanced Bioavailability & Digestibility:** The hydrolyzed peptides are absorbed more rapidly and efficiently than intact proteins, making it ideal for post-exercise recovery and sensitive digestive systems.
- **Complete Amino Acid Profile:** Provides all nine essential amino acids necessary for muscle repair, growth, and overall bodily functions, consistent with high-quality plant proteins.
- **Allergen-Friendly:** Naturally free from common allergens such as dairy, soy, gluten, and nuts, offering a safe and inclusive protein solution.
- **Functional Peptides:** Contains bioactive peptides that may offer additional benefits beyond basic nutrition, potentially supporting satiety, blood pressure regulation, and antioxidant activity.
- **Superior Solubility:** Dissolves easily and completely in both hot and cold liquids, making it perfect for clear beverages and smooth formulations without grittiness.

- **Low Viscosity:** Creates low-viscosity solutions even at higher concentrations, ideal for liquid protein applications.
- **Sustainable Sourcing:** Derived from environmentally friendly hemp, aligning with eco-conscious brand values and consumer demand for sustainable ingredients.
- **Neutral to Mild Flavor:** Offers a clean taste profile, ensuring minimal impact on the end product's flavor.
- **Organic & Non-GMO Certified:** Sourced from certified organic and non-genetically modified hemp, ensuring a clean-label ingredient that resonates with health-conscious consumers.

Application

Hemp Peptide Powder is a cutting-edge ingredient, perfectly suited for a wide array of B2B applications across the nutraceutical, sports nutrition, and functional food industries:

- **Sports Nutrition:**
 - Pre- and post-workout recovery shakes for rapid amino acid delivery.
 - Performance-enhancing supplements and energy gels.
 - Protein bars and functional snacks with improved texture.
- **Nutraceuticals & Dietary Supplements:**
 - Highly bioavailable protein supplements (capsules, powders).
 - Digestive health formulations and gut support blends.
 - Weight management products and meal replacements.
 - Anti-aging and beauty-from-within formulations due to potential collagen-supportive properties.
- **Functional Food & Beverage:**
 - Clear protein beverages, protein-fortified waters, and functional juices.
 - Dairy and plant-based milk alternatives for enhanced protein and texture.
 - Soups, sauces, and savory mixes requiring easily dispersible protein.
 - Specialty baking applications where improved texture and protein fortification are desired.

Why Choose Our Hemp Peptide Powder for Your Business?

Partnering with us for your **Hemp Peptide Powder** needs ensures access to an innovative, high-performance ingredient that aligns with market trends and consumer demands:

- **Next-Gen Bioavailability:** Offer products with superior protein absorption and faster delivery of amino acids, giving your brand a competitive edge.
- **Advanced Functionality:** Leverage enhanced solubility and low viscosity for a wider range of product formulations, especially clear or liquid applications.
- **Allergen-Friendly & Inclusive:** Capture a broader market segment by providing a safe, clean-label protein free from major allergens.
- **Consistent Quality & Performance:** Our advanced hydrolysis process and rigorous quality control guarantee a consistent, reliable product batch after batch, optimizing your manufacturing efficiency.
- **Sustainable & Organic Sourcing:** Reinforce your brand's commitment to environmental responsibility with a naturally sustainable and certified organic ingredient.
- **Reliable B2B Supply:** We offer a robust and scalable supply chain, capable of meeting your volume requirements efficiently and consistently.
- **Dedicated Technical Support:** Our team provides comprehensive data sheets, Certificates of Analysis (CoAs), and expert guidance to support your R&D, formulation, and regulatory compliance.

FAQs

Q: What is the typical protein percentage of your Hemp Peptide Powder?

A: Our **Hemp Peptide Powder** typically contains between 60-70% protein (dry basis). The exact percentage and Degree of Hydrolysis (DH) are provided on the Certificate of Analysis for each batch.

Q: How does Hemp Peptide Powder differ from standard Hemp Protein Powder?

A: **Hemp Peptide Powder** undergoes enzymatic hydrolysis, breaking down larger protein molecules into smaller, more easily absorbed peptides. This results in superior digestibility, higher solubility, and lower viscosity compared to standard hemp protein powder.

Q: Is Hemp Peptide Powder a complete protein with all essential amino acids?

A: Yes, despite being hydrolyzed, **Hemp Peptide Powder** retains the complete amino acid profile of hemp, providing all nine essential amino acids necessary for human nutrition.

Q: What applications benefit most from the enhanced solubility of Hemp Peptide Powder?

A: Applications like clear protein beverages, functional waters, protein shots, and liquid nutritional supplements benefit significantly from the high solubility and low viscosity of **Hemp Peptide Powder**.

Q: What is the shelf life and recommended storage for bulk quantities?

A: Our **Hemp Peptide Powder** typically has a shelf life of 24 months from the manufacturing date when stored in a cool, dry place, away from direct sunlight and moisture, in its original sealed packaging. Specific bulk storage recommendations will be provided with your order documentation.

Q: Do you offer different degrees of hydrolysis (DH) for custom formulations?

A: Yes, we can often customize the Degree of Hydrolysis (DH) to meet specific functional requirements (e.g., solubility, taste, peptide size distribution) for bulk orders. Please contact our sales team to discuss your particular needs.

Packing

