CLEAR PEA PROTEIN

Transparent plant protein



The Clear Protein Peptide Solution

Crystal-clear pea protein, the plant-based alternative to clear whey

Clear Pea Protein is a 100% pea protein peptide solution engineered as the plant-based alternative to clear whey. It is made from one premium raw material, 100% Grade A Canadian yellow peas, refined through advanced processing for the European active nutrition market. There are no sensory compromises and allergen control is complete.

Targeted, eco-friendly enzymatic hydrolysis guarantees a protein content of 85% or higher on dry matter. More than 80% of the peptides have an ultra-low molecular weight under 5000 Daltons, which prevents light scattering and aggregation entirely. The result is crystal-clear transparency with zero cloudiness, a refreshing water-like viscosity, and instant amino acid uptake. For elite athletes, it is completely free from WADA-prohibited substances.

Key Comparison: Standard Pea Protein Isolate vs. Clear Pea Protein

Performance Metric	Standard Pea Protein Isolate (native)	Clear Pea Protein
Processing	Intact, native protein structure	Targeted enzymatic hydrolysis into low-molecular-weight peptides
Molecular Profile	Intact protein molecules	≥ 80% of peptide chains under 5000 Daltons
Appearance	Opaque dispersion: proteins aggregate and scatter light	Crystal-clear transparency, zero cloudiness
Viscosity	Adds body and thickness	Water-like viscosity
pH Behavior	Very low solubility near its isoelectric point (pH 4.0–5.0)	Stays soluble and stable (pH 4.0–7.0)
Digestion	Standard digestion rate of an intact protein	Pre-broken peptide chains for instant absorption
Sports Compliance	Ingredient WADA-compliant; cross-contamination risk depends on the processing facility	Fully WADA-compliant
Target Applications	Shakes, smoothies, plant-based milks	Protein waters, isotonic drinks, clear RTDs, clear shakes

I. Mechanism of Action: Enzymatic Hydrolysis



Clear Pea Protein undergoes targeted, eco-friendly enzymatic hydrolysis. This process breaks intact protein molecules into smaller, low-molecular-weight peptide chains, so the protein:

- **Dissolves fully** instead of aggregating and scattering light, giving zero turbidity.
- **Stays soluble and stable** in beverages.
- **Is digested quickly and easily**, because the peptide chains are already broken down.

II. Key Benefits

- Dissolves completely into a clear liquid, without leaving a gritty or chalky mouthfeel.
- Has a highly neutralized taste profile, with minimal native pea flavor or color.
- Provides a clean-label, allergen-free plant protein boost.

III. Sports Nutrition & Compliance

- **WADA-compliant**: Fully compliant with the World Anti-Doping Agency list and completely free from prohibited substances.
- **Clean processing**: Free from nano-materials and irradiation.
- **Performance-oriented**: Crisp, refreshing 85% protein peptide transparency, optimized for performance and sports nutrition.

IV. Application Profile

Clear Pea Protein suits:

- Sports nutrition
- Isotonic and functional beverages
- Protein waters
- Clear Ready-To-Drink (RTD) beverages
- Instant clear powder shakes

V. Safety, Purity & Supply Chain Integrity

- **Source**: 100% non-GMO Grade A Canadian yellow peas.
- **Allergen Control**: Gluten-free (< 5 ppm), soy-free (< 2.5 ppm). Zero cross-contamination risk, since no major allergens are handled on the line or anywhere in the facility.
- **Dietary Status**: 100% Vegan, Natural, Non-GMO, Halal, and Kosher. BSE/TSE free.
- **Quality Certifications**: Certified Global Standard Food Safety (BRCGS), GMP+, HACCP, ISO 9001:2015, ISO 14001:2015, and ISO 22000:2018.
- **Shelf Life**: 2 years.

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