Corn protein peptide

Grades: Powder

Cold-water-soluble corn protein peptide with at least 80% dry-basis protein and 75% peptides for beverages, food supplements and nutrition blends.

Grade specifications

Parameter	Powder
Physical & chemical	
Appearance	Light yellow to yellow powder
Odor	Characteristic taste and smell
Particle size	90% through 60 mesh
Solubility	Soluble in cold water
Bulk density (g/mL)	0.2-0.5
pH (10% solution)	3.0-7.5
Protein (N × 6.25), dry basis (%)	≥80.0
Peptide, dry basis (%)	≥75.0
Protein hydrolysates <1,000 u (λ = 220 nm), %	≥85.0
Ash (%)	≤7.0
Moisture (%)	≤7.0
Contaminants	
Benzo[a]pyrene (μg/kg)	≤5
Lead (ppm)	≤0.2
Cadmium (ppm)	≤0.1
Arsenic (ppm)	≤0.5
Chromium (ppm)	≤1.0
Mercury (ppm)	≤0.02
Microbiology	
Total plate count (CFU/g)	≤1,000
Molds & yeasts (CFU/g)	≤50
Escherichia coli	Negative/g
Salmonella	Negative/25 g
Staphylococcus aureus	Negative/g

Specifications apply only to the named grade and supplied physical form. Not detected is not a numerical zero; not specified means no limit is supplied. Confirm the agreed test methods and use the batch COA for batch acceptance.

Grade selection and applications

Protein and peptides: Protein and peptide content are separate quality measurements. The specification also sets a proportion of at least 85% for hydrolysates below 1,000 u, using the stated UV measurement condition.

Process selection: Use the cold-water solubility, particle size and bulk density to plan mixing and powder handling; evaluate flavor in the final beverage or nutrition blend.

Applications: Nutrition powders; Nutritional drinks; Blended nutrition; Food supplements; Powder premixes; Prepared foods.

Packaging and storage

Item	Details
Packing	10 kg/carton; food-grade PE inner bag
Storage	Keep sealed in a cool, dry place away from direct sunlight, moisture and heat.
Shelf life	24 months

Safety and regulatory

Read the matching SDS for handling precautions. Confirm intended use, labeling and any certification scope for the selected grade and destination. Technical limits are not measured batch results; the agreed purchase specification and batch COA govern acceptance.