

Hydrolyzed Pea Protein

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
/	/	/	Yellow pea protein preparation

Product Description

HYDROPEA® Hydrolyzed Pea Protein. Grades: H85, H80. Hydrolyzed pea protein H85 and H80 is made from yellow peas using a controlled hydrolysis process. The H series is slightly hydrolyzed and designed for beverage formulations requiring smooth mouthfeel, dispersion and reduced viscosity. H85 has at least 85% dry-basis protein; H80 has at least 80%.

Specifications

Parameter	Specification
Appearance	Cream-colored powder
Protein, dry basis (%)	H85: ≥85.0; H80: ≥80.0
Moisture (%)	≤8.0
Ash (%)	≤8.0
Crude fiber (%)	≤3.0
pH	6.0–8.0
Total plate count (CFU/g)	<10,000
Yeast (CFU/g)	<50
Molds (CFU/g)	<50
Escherichia coli	Not detected
Salmonella	Not detected

Typical Properties / Use Guidance

Property / Guidance	Typical Value
Grade selection	H85: Slightly hydrolyzed; ≥85% protein. For beverages and meal-replacement drinks requiring reduced viscosity.; H80: Slightly hydrolyzed; ≥80% protein. For protein beverages, meal-replacement drinks and powdered mixes.
Typical data status	Nutritional and amino acid values below are per 100 g powder and are not guaranteed specification limits. Not detected does not mean a numerical zero.
Nutrition: Total fat (g)	1.20
Nutrition: Energy (kcal)	358
Nutrition: Ash (g)	3.3
Nutrition: Total sugars (g)	Not detected
Nutrition: Dietary fiber (g)	1.8
Nutrition: Iron (mg)	17.42
Nutrition: Potassium (mg)	118.62
Nutrition: Calcium (mg)	169.35
Nutrition: Sodium (mg)	H85: 959.16; H80: 459.16
Amino acid (g/100 g): Isoleucine	3.90
Amino acid (g/100 g): Leucine	6.95
Amino acid (g/100 g): Lysine	H85: 6.51; H80: 6.21
Amino acid (g/100 g): Methionine	0.95
Amino acid (g/100 g): Phenylalanine	H85: 4.79; H80: 4.59
Amino acid (g/100 g): Threonine	2.95
Amino acid (g/100 g): Tryptophan	0.63
Amino acid (g/100 g): Valine	H85: 4.83; H80: 4.33
Amino acid (g/100 g): Arginine	H85: 7.06; H80: 6.76
Amino acid (g/100 g): Cystine	H85: 2.15; H80: 1.15
Amino acid (g/100 g): Glutamic acid	14.28
Amino acid (g/100 g): Histidine	H85: 2.56; H80: 2.16
Amino acid (g/100 g): Proline	3.62
Amino acid (g/100 g): Tyrosine	3.47
Amino acid (g/100 g): Alanine	3.75
Amino acid (g/100 g): Aspartic acid	9.52
Amino acid (g/100 g): Glycine	H85: 3.60; H80: 3.30
Amino acid (g/100 g): Serine	H85: 4.50; H80: 4.20

Applications

- Protein beverages — Evaluate H85 or H80 where a pea protein beverage needs smooth mouthfeel and reduced viscosity. Compare dispersion and stability in the complete recipe, including your processing conditions.
- Meal-replacement drinks — The H series is intended for meal-replacement drinks as well as protein beverages. Select the protein level and check flavor, texture and compatibility with the other ingredients.
- Powdered drink mixes — H85 and H80 can be evaluated in powdered drinks prepared with water or other liquids. Trial the selected grade at the intended concentration and mixing conditions.

Packaging and Storage

Packaging	20 kg bag with PE liner
Storage	Keep sealed in a cool, dry place, protected from moisture and direct sunlight. Shelf life: 2 years in unopened original packaging.

Safety and Regulatory

Food-grade protein ingredient for the stated applications. Prevent dust formation and follow the applicable SDS for handling. Confirm suitability for the intended application and destination-market requirements.

Company Contact

Hainan Zhongxin Chemical Co., Ltd.

Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China.

Tel: +86-21-54265599 | sales@zxchem.com.cn | www.zxchem.com

The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.