

SPECIFICATION

Product Name: Pea Protein Isolate 80%
Chemical Formula: N/A
CAS Number: 222400-29-5
Molecular Weight: N/A
Appearance: Yellowish brown fine powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Assay	%	80.08%	80% protein
Loss on drying	%	3.99%	≤5.0%
Sieve analysis	-	Complied	Pass 80 mesh
Bulk density	g/ml	49.7g/100ml	5-55g/100ml
Heavy metal	PPM	Complied	NMT 200 PPM
AS	PPM	Complied	NMT 2 PPM
Total Plate Count	cfu/g	Complied	NMT 5000cfu/g
Yeast & Mold	cfu/g	Complied	NMT 1000cfu/g
E.Coli	-	Complied	Negative
Salmonella	-	Complied	Negative

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in methanol. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, moisture-resistant container in a cool, dry, and well-ventilated place, protected from moisture, excessive heat, direct sunlight, and contamination.

Applications

- Use: Widely used as a protein fortifier, emulsifier, texturizer, and nutritional ingredient in the food, beverage, nutraceutical, and sports nutrition industries. It is valued for its high protein content ($\geq 80\%$), good functional properties, and suitability for vegan and vegetarian formulations.
- Dosage: Depends on Desired protein content, Product formulation, Texture and mouthfeel, Processing conditions, Nutritional targets, Regulatory requirements.

Packaging

- Standard Packing: 25 Kgs pp bag with inner liner or as per customer requirement.
 - Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
- * Specifications are based on the manufacturer's provided specifications.