Technical specifications for Sunflower protein isolate

CHEMICAL AND PHYSICAL PROPERTIES

Moisture ≤ 5%
Protein ≥ 90%
pH Value: N/A
Form: Solid powder
Colour: Off-white to light brown
Odor: Characteristic
Solubility in water: 0-90% (depending on pH)
Solubility in oil and solvents: Insoluble

NUTRITIONAL DATA/ 100 G

Calories: 380 kcal
Protein: 95 g
Total Carbohydrates: 3.2 g
Dietary Fiber: 3.2 g
Sugars: 0 g
Total Fat: 0 g
Saturated Fat: 0 g
Trans Fat: 0 g
Polyunsaturated Fat: 0 g
Monounsaturated Fat: 0 g
Sodium: ≤ 300 mg

AMINO ACID PROFILE

Essential AA, %
Cysteine: 2.62
Isoleucine: 2.85
Leucine: 6.20
Lysine: 2.43
Methionine: 0.80
Phenylalanine: 5.01
Threonine: 3.43
Tyrosine: 3.20
Valine: 4.16
Total Essential AA: 30.70

Non-essential AA, %
Alanine: 5.39
Arginine: 9.22
Aspartic Acid: 10.46
Glutamic Acid: 25.24
Glycine: 4,82
Histidine: 3.34
Proline: 5.63
Serine: 5.21
Total Non-essential AA: 69.30

ExSeed

Handling, Storage and Packaging
Storage: Keep in a cool, ventilated place. Avoid light and heat.

Handling: Keep away from heat, sparks and flame. Avoid contact with eyes, and skin. Wear gloves and safety glasses.

Suitable Packaging Materials:
Food grade polyethylene/ glass/ food grade steel drums.

Stability and Reactivity
· Stable under normal conditions.
· Avoid strong oxidizing agents.
· In case of thermal decomposition, acrid fumes may be formed!

Allergens

Potential allergens	Included in the product		Possible trace (cross-contamination)		Notes
	Yes	No	Yes	No	
Cereals containing gluten and products thereof		X		X	
Crustaceans and products thereof		X		X	
Eggs and products thereof		X		X	
Fish and products thereof		X		X	
Peanuts and products thereof		X		X	
Soybeans and products thereof		X		X	
Milk and products thereof		X		X	
Nuts and products thereof		X		X	
Mustard and products thereof		X		X	
Sesame seeds and products thereof		X		X	
Celery and products thereof		X		X	
Sulphur dioxide and sulphites at concentratins of more than 10 m g/kg		X		X	
Lupin and products therof		X		X	
Molluscs and products thereof		X		X	