

Product code: 0181

Whey Protein Isolate 90% Instant Powder [WPI90i] [Sunflower Lecithin]

Product Name: Whey Protein Isolate 90% Instant Powder [WPI90i] [Sunflower Lecithin]	
CAS number: 92129-90-3	EC number: 295-890-2
Standard: Corporation In-house standard	Specification ref.: R1_V5
Issue number: 6	Valid from: 18/09/2023 to 17/09/2026
Preparation type: Cross-flow micro filtration	Starting materials: Milk
Suitable for Vegetarians: Yes	Suitable for Vegans: No
Extraction solvent: Not applicable	Other solvents used in manufacturing: None
Compound Ingredients [descending order]: Whey protein isolate: 99.2% Sunflower Lecithin: 0.8%	Principle ref.: BPM132
Description: WPI90i is a premium instantised whey protein isolate derived from sweet Irish whey. The whey proteins have been extracted in a highly purified, indentured form using CFM (cross-flow microfiltration) membrane technology. WPI90i is instantised using sunflower lecithin, which allows the powder to disperse easily in beverages and other solutions. Its nutritional properties combined with its high solubility, neutral flavour and unique functionality make it the protein of choice for a variety of applications.	
Analysis	Specification
Appearance	White to light cream coloured powder
Taste	Bland and clean
PH	6 - 7
Protein (On dried basis) (N X 6.38)	91.4% to 95.7%
Protein (as is basis) (N X 6.38)	86% to 90%
Moisture	NMT 6.0%
Total Ash*	NMT 3.5%
Fat	NMT 1.5%
Bulk density	0.33 g/ml to 0.40 g/ml
Standard plate count	NMT 10,000 CFU/g
Yeasts and Mould	NMT 100 CFU/g
Coliforms	NMT 10 CFU/ g
Coag. Pos. Staphylococci*	NMT 10 CFU/ g
Salmonella	Negative/ 375 g
Listeria	Negative/ 25 g

*These parameters may not be tested for every batch and are usually tested on a periodic basis.

Shelf life: Recommended to retest after 18 months from date of manufacture.

Storage conditions: Store in a cool, dry & Clean environment below 25°C and relative humidity below 65%.

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Regulatory Statements:

GMO Status: This product is GMO FREE in accordance with EU Regulations 1829/2003 and 1830/2003.

Irradiation Status: This product has NOT been irradiated OR treated with ETO in accordance with EU directive 1999/2/EC & 1999/2/EC concerning foods and food ingredients treated with ionisation radiation.

TSE / BSE Statement: This product complies with the guidance on minimizing the risk of transmitting TSE/BSE causing agents via Human and Veterinary medicinal products. This product does not present any risk of cross contamination by TSE/BSE causing organisms.

Nano materials: This material is not produced using Nanotechnology and is free from Nano-particles, and so complies with EU regulations 2011/696/EU and 2015/2283.

Does the raw material CONTAIN or is it DERIVED from or could it be cross-contaminated by any of the following			
INGREDIENT	YES	NO	QUANTITY/ADDITIONAL INFO
BHA/BHT/Related compounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bovine products or by-products	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Celery or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cereals containing Gluten (Wheat, rye, barley, oats, spelt, kamut or their hydrolysed strains) or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Crustaceans/Shellfish or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Eggs or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fish or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Milk or Milk products (including lactose)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sourced from milk.
Mustard seed or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Nuts or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Peanuts or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Sesame seeds or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
SO ₂ or Sulphate at concentration over 10mg/kg	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soya beans or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Molluscs or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lupin or products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Amino acid profile [Typical]

Amino acid	g/100 g of product	Amino acid	g/100 g of product
Alanine	4.6	Lysine	10.2
Arginine	2.1	Methionine	2.3
Aspartic acid	11.1	Phenylalanine	2.9
Glutamic acid	17.1	Proline	5.8

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Cysteine	2.5	Serine	4.3
Glycine	1.8	Threonine	6.8
Histidine	1.7	Tryptophan	2.1
Isoleucine	6.7	Tyrosine	2.9
Leucine	10	Valine	5.3

Mineral profile [Typical]

Mineral	mg /100 g of product	Mineral	mg /100 g of product
Calcium	425 mg	Magnesium	80 mg
Sodium	260 mg	Phosphorous	240 mg
Potassium	460 mg	Iron	0.5 mg
Chlorine	10 mg		

Fatty Acid and Carbohydrates [Typical values]

Fatty Acid Profile	Value / 100 g of product	Carbohydrates	Value / 100 g of product
Total fat	0.9 g	Total Carbohydrates	2.5 g
Saturated fat	0.3 g	Dietary Fibre	-
Polyunsaturated fat	0.3 g	Sugars	0.9 g
Mono-unsaturated fat	0.2g		
Trans fatty acid	<0.1 g		
Cholesterol	<10 mg		

Protein (as is)	88.0 g / 100 g
Calories	370 g / 100 g
Calories from fat	8.0 g / 100 g

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