



## Sunprotein Product Information

A general approach to cope with a deficit is to develop new sources of resources. New protein sources are developed to compensate protein deficit and to enhance nutritional value of food. Global demand for functional and personalized foodstuffs with high protein content is on the rise, resulting in the development of new, healthy protein sources.

Sunprotein is a sunflower protein concentrate with a high protein content (up to 83%) that contains a comprehensive set of amino acids. This product was developed through an innovative procedure and is free of GMOs\*, phytoestrogens, gluten, lactose and other allergens.

The main reasons to use Sunprotein in food products, especially in sports foods, are:

- High protein content (up to 83%)
- Free of GMOs\*, anti-nutritional factors, soy, lactose, gluten, aspartame
- Complete and balanced amino acid composition
- Suitable for vegetarian and kosher diets

Sunprotein has a light green colour, due to oxidation of small amount of chlorogenic acid present in the sunflower seeds. It serves as a natural dye, and the colour sets Sunprotein apart from other products.

Furthermore, pure chlorogenic acid is seen and used as a weight loss product. It blocks the release of glycogen during training and leads to faster fat burning. Bodybuilder/athlete diets are highly effective when combined with Sunprotein. Most bodybuilders strive towards pure muscle mass and definition and chlorogenic acid supplementation can effectively support this.

The product is produced from sunflower seeds at ecological mountain area Gorny Altai (Russia). As Russia is the worlds second-largest producer of sunflower seeds, the raw material for the product can be stably provided at low costs.

The product is certified according to ISO 22000:2005.

<sup>\*</sup>Genetically Modified Organism



		2:30		
General prop	erties of the sun prot	ein:		
Smell	odorless	odorless		
Colour	colour light green	colour light green		
Taste	neutral to the tast	neutral to the taste		
Size	average particle s	average particle size 20-25qm		
Nutritional physiological characteristics and components in mass fractions (proportions vary):		Amino acids	g/100g protein	
Protein, %	82,5	Threonine	2,95	
Crude fiber, %	0,1	Valine	4,58	
Fat, %	4,6	Methionine	1,71	
Calcium, %	0,19	Isoleucine	3,76	
Phosphorus, %	0,52	Leucine	5,55	
Sodium chloride, %	0,06	Phenylalanine	4,67	
Ash, %	4,31	Lysine	6,53	
Suger after the inversion, %	3,4	Tryptophan	1,43	
Other nitrogen-free extractants, %	0,3	Asparagine	8,61	
Moisture, %	4,02	Serine	3,63	
Total	100%	Glutamine	24,72	
Height of the pH, %	7-8	Proline	3,51	
NaCl, %	0,11	Glycine	4,73	
Energy value	2090kJ/499kcal	Alanine	2,92	
		Cystine	0,06	
		Tyrosine	2,29	
		Histidin	2,47	
		Arginine	7,84	
		Gesamt	91,92	
		BCAA*	13,89	

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