

PRODUCT SPECIFICATION

Certified by BRC, IFS, Kosher, Halal

Product: **SUNTEIN™, Sunflower protein, pasteurized**
Partially defatted sunflower protein 100% made from hulled high oleic sunflower kernels by gentle cold pressing, fine grinding and pasteurization. No chemicals used during processing.

Declaration proposal: Sunflower protein/ Sunflower protein flour/ Sunflower kernels flour, defatted/ Sunflower kernels, defatted, fine grinded.

Application: Snack foods, cereals, baked goods, pastas, meal replacement bars, nutritional beverages, protein enhancement and meat, seafood or dairy alternatives, bakery mixtures and other nutrition mixtures.

This is a pasteurized, ready-to-eat (RTE) product that has been processed to a validated 5 log microbiological reduction.

Packaging: 20 kg / 22.68 kg (50 lbs.) 3-ply paper bags on pallets
Marking: Product name, Batch Nr., Best before, Produced on date.

Shelf life: 24 months when stored in original packaging, cool and dry, protected from direct sun light. *FIFO principle to be ensured.*

Ingredients: 100% high oleic, edible sunflower kernels.
No additives according to Regulation (EC) No 1333/2008.
No flavorings or ingredients with flavoring properties according to Regulation (EC) No 1334/2008.

Typical analysis (per 100 g):

Protein*:	51% ± 3%	Dietary fiber:	21% ± 2%
Fat:	8.5% ± 2%	Ash Content:	7% ± 1%
Moisture:	< 5.5%	Carbohydrate:	6% ± 2%

Physical parameters: Flavor and aroma: Typical, fresh, nutty, not bitter or rancid
Product color: Off white to tan
Particle size: 100% < 800 µm
98% between 50 and 500 µm
70-75% between 50 and 300 µm

Allergen status: Produced in a facility free from: wheat, peanut, tree nuts, coconut, soy, egg, milk, cereals containing gluten, fish, crustacean and mollusks shellfish, sesame seed and all by products of.
Allergen free according to Annex II, Regulation (EU) No 1169/2011.



EUROPACK

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Dietary status: Suitable for Coeliac, Vegetarian, Vegan, Lactose intolerant diets.
Produced in a gluten-free certified facility.

GMO status: GMO-free. **No GMO labeling** according to Regulations (EC) 1829/2003 and 1830/2003 **required**.

Country of origin: Bulgaria/ EU **Custom tariff-Nr.:** 21061020

Microbiological data:

Total plate count:	< 10 000 cfu/g	E-Coli:	not detectable in 1g
Yeasts:	< 500 cfu/g	Salmonella:	negative in 25 g
Molds:	< 500 cfu/g	Listeria monocytogenes	negative in 25 g

Nutrition data per 100 g (values from analyze of sunflower protein crop 2020):

Calorie:	1 452 kJ / 347 kcal	Fiber:	22.3 g
Protein:	49.1 g	Oleic acid:	8.14 g
*Protein (in dry matter)	53 g	Polyphenols calc. as tannic acid	3300 mg
Carbohydrates:	4.9 g	Vitamin E:	8.60 mg
Of which sugar:	4.9 g	Calcium:	280 mg
Sucrose:	4.9 g	Potassium:	1400 mg
Fructose/Glucose/Maltose/Lactose: <0.50g		Phosphorus:	1600 mg
Fat:	10.3 g	Iron:	8.6 mg
Of which saturated:	1.13 g	Sodium (Na):	< 0.01 g
Mono-unsaturated:	8.25 g	Salt:	< 0.025 g
Poly-unsaturated:	0.91 g	Ash:	7.2 g
Trans fat:	0.01 g	Water:	7.7 g

Amino acid profile:

Aspartic acid	4.62 % (w/w)	Leucine	3.16 % (w/w)
Threonine	1.91 % (w/w)	Tyrosine	1.17 % (w/w)
Serine	2.21 % (w/w)	Phenylalanine	2.29 % (w/w)
Glutamic acid	10.3 % (w/w)	Lysine	1.70 % (w/w)
Glycine	3.01 % (w/w)	Histidine	1.33 % (w/w)
Alanine	2.21 % (w/w)	Arginine	4.36 % (w/w)
Valine	2.33 % (w/w)	Proline	2.02 % (w/w)
Methionine	1.03 % (w/w)	Hydroxyproline	0.14 % (w/w)
Isoleucine	1.95 % (w/w)	Cysteine	0.82 % (w/w)
Tryptophan	0.60 % (w/w)		

We guarantee that the product supplied by us /sunflower protein/ including its packaging comply with the relevant EU legislation.