

PRODUCT SPECIFICATION

Product name: **Sunflower kernels**
 Sort: **bakery**
 Origin: Bulgaria/EU
 Custom tariff-Nr.: 1206 0091

Certified by BRC, IFS, Kosher, Halal
 Product suitable for:

✓ Coeliacs
✓ Vegetarians
✓ Vegans
✓ Lactose intolerant
✓ Nut allergy sufferers
✓ Kosher
✓ Halal

Product description

Product color: grey-white, long-circle kernels
 Smell and taste: fresh, nutty, not bitter or rancid
 Consistence: firm, not brittle or moist
Purity: > **99,999 %** free from glass, stones, metal, wood and plastic. **X-Ray and InGaAs/MultiVision checked, gluten free.**

Physical parameters

Broken kernels:	< 10 % (smaller than ½ kernel)	Discolored kernels:	< 1 %
Count/Ounce:	680 +- 7% (crop 2022, crop dependent)	Insect damage:	< 1 %
Unhulled kernels and sticktites (kernel covered by > ¼ by shell):	< 0.1 %	Sclerotinia:	absence
Foreign components (trimming):	< 0.001 %	Moisture:	< 7.5 %
- Animal / mineral / plant:	0 % / 0 % / < 0.001 %		

Processing status: hulled
Genetically modified: according EG VO 1829/2003 and 1830/2003
Irradiated/ treated: no
Additives: none
 Best before: 12 months from production date under appropriate storage conditions, see storage information list.
Storage conditions: **FIFO principle to be ensured.** Cool, dry and ambient, protect from direct sun light.

Sunflower kernels are a natural, untreated raw product that may contain harmful bacteria if not further treated. The product is neither sterilized nor pasteurized.

Microbiological data:

TVC:	< 100 000 cfu/g	Bacillus cereus:	< 100 cfu/g
Enterobacteriaceae:	< 1 000 cfu/g	Clostridium perfringens	< 100 cfu/g
Coliforms:	< 1 000 cfu/g	Salmonella:	negative in 25 g
Yeast:	< 10 000 cfu/g	Listeria monocytogenes	< 100 cfu/g
Moulds:	< 10 000 cfu/g	Aflatoxin (B1 + B2 + G1 + G2):	< 4 ppb
E-Coli:	< 10 cfu/g	Aflatoxin B1:	< 2 ppb
Staphylococcus aureus:	< 100 cfu/g	Ochratoxin:	< 5 ppb

Chemical data:

Free fatty acid (FFA):	< 1.5 %	Cadmium:	< 0.5 mg/kg
Peroxid (PON):	< 3	Lead:	< 0.2 mg/kg
Pesticides:	according EU Regulation 396/2005/EC	Arsenic:	< 0.1 mg/kg
		Mercury:	< 0.02 mg/kg

Nutrition data per 100 g (for information only, values from analyze on sunflower kernels crop 2021):

Calorie:	2 665 kJ / 646 kcal	Omega 6 fatty acid:	28 g
Protein:	20.0 g	Omega 9 fatty acid:	24.5 g
Carbohydrates:	3.4 g	Cholesterol:	< 5.0 mg
of which sugar:	1.9 g	Vitamin E:	42.4 mg
Saccharose:	1.9 g	Vitamin D2:	<10 µg
Fructose/Glucose/Maltose/Lactose:	<0.50 g	Calcium:	120 mg
Fiber:	9.1 g	Potassium:	642.7 mg
Fat:	59.3 g	Magnesium:	299 mg
Of which saturated:	6.8 g	Iron:	4.38 mg

monounsaturated:	24.5 g	Sodium:	< 0.01 g
polyunsaturated:	28 g	Salt (from Natrium):	< 0.025 g
trans fat:	< 0.1 g	Aw-value:	0.531

Allergens:

Materials according Annex II Regulation (EU) No 1169/2011		
	Contained in the product	Possible cross-contamination
Cereals containing Gluten (i.e wheat, rye, barley, oats, kamut or their hybridised strains) and products thereof	No	No
Crustaceans and products thereof	No	No
Eggs and products thereof	No	No
Fish and products thereof	No	No
Peanuts and products thereof	No	No
Soybeans and products thereof	No	No
Milk and products thereof (including lactose)	No	No
Nuts i.e. Almond, Hazelnut, Walnut Cashew, Pecan nut, Brazil nut, Pistachio nut, Macadamia nut, Queensland nut and products thereof	No	No
Celery and products thereof	No	No
Mustard and products thereof	No	No
Sesame seeds and products thereof	No	No
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed and SO ₂	No	No
Lupine and products thereof	No	No
Molluscs and products thereof	No	No
Other	No	No

Packing:

Art: Food grade	Material	Palletizing
Paper bags 20 kg/ 22.68 kg (50 lbs)/ 25 kg Sewn or valve	3- ply micro-perforated paper bags with perforated PE-pad	On 1 euro pallet /120 x 80 cm/: 36 paper bags x 20kg = Net weight 720kg 33 paper bags x 22.68 kg = Net weight 748.44 kg 30 paper bags x 25 kg = Net weight 750 kg
Big Bags 1 100 kg / 1 000 kg 850 kg / 800 kg / 750 kg	Polypropylene	1 100 kg / 1 000 kg/ 850 kg / 800 kg / 750 kg on euro pallet /120x80cm/ or industrial pallet /120 x 100 cm/

Marking: Product name, Crop, Batch Nr., Best before, Produced on date.

No GMO labeling according to EU directives 1829/2003 and 1830/2003 **required**.

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

Application: For bakery mixtures and other nutrition mixtures.