



RAW PRODUCT SPECIFICATION

PRODUCT NAME	SUNFLOWER KERNELS
TYPE	FOR HUMAN CONSUMPTION
SUB - TYPE	BAKERY GRADE
STATUS	IN PRODUCTION
VERSION NUMBER	30-EU
COUNTRY OF ORIGIN	BULGARIA
PRODUCT CODE	1911

CERTIFICATES:	<i>BRC Food , KOSHER</i>	
Product is suitable for:		
<input checked="" type="checkbox"/> Lactose intolerants	<input checked="" type="checkbox"/> Vegans	<input checked="" type="checkbox"/> Halal
<input checked="" type="checkbox"/> Vegetarians	<input checked="" type="checkbox"/> Coeliacs	<input checked="" type="checkbox"/> Kosher

SUPPLIER DATA

Supplier Name:	Sadina 99 Ltd	Manufacturing Sites:	Sadina Plant Ltd
Address:	Bulgaria	Address:	Bulgaria
Telephone Number:	+35	Telephone Number:	+35
Fax Number:	+35	Fax Number:	+35

CONTACTS

Technical:	Position: Product Manager	E-mail:
Commercial:	Position: Foreign trade director	E-mail:
Export &Logistic:	Position: Export & Logistic manager	E-mail:
Quality Assurance:	Position: QA manager	E-mail:
Documentation:	Position: Logistic & documents handing	E-mail:
Financial:	Position: Chief financial operations	E-mail:

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MATERIAL DATA

Product Description: Small oval seeds, typical sunflower kernels
Colour: Light grey, uniform in colour, sound and merchantable quality
Flavour: Fresh, typical, nutty, not rancid, without off-tastes
Texture: Firm with bite, not soft.

Shelf Life:

Maximum from manufacture 365 days
Minimum remaining prior shipment from manufacture site 350 days
Unopened 365 days

Size: **680 kernels per ounce +/- 5 %**

PHYSICAL SPECIFICATIONS

Moisture	Max. 7.5 %
Broken kernels (1/2 or less) *	Max. 10%
Damaged kernels	Max. 2.0 %
Unshelled kernels	Max. 0.5%
Brown kernels	Absent
Yellow kernels	Max. 1.0 %
Impurities (plant based)	Max. 0.02 %
Sclerotia	Absent
Purity	Min. 99.98 %

*% Broken is analysed at the time of packaging of the finished product. It is possible that % Broken is increased during loading, transport, unloading.

Free of glass, stone, metal, wood, plastic, nails, hair over sensitivity levels according to page 4.

INGREDIENTS

Ingredient	As Declared on End Label	% Composition	Country of Origin
Sunflower Seed	Hulled sunflower kernels	100	Bulgaria

Additives: List of all additives used in the formulation, include colours, processing aids, and carry over additives from compound ingredients.

E. Number	Name	Function/Description
XXXXX	NONE	No any additives used.

GENE TECHNOLOGY

Product or any of its ingredients doesn't contain any genetically modified material.
There are no any marker genes present in the product, his ingredients, or into processing aids.
Product is **free from GMO**.

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MICROBIOLOGY

Microbial Organism	Max. Level	Unit	Test Method
Total Viable Count	50 000	cfu/g	BSS EN ISO 4833-1:2013
Yeast & Moulds	10 000	cfu/g	ISO 21527-2:2008
Salmonella spp.	absent in 25/125gr.	cfu/g	BSS EN ISO 6579:2005
E.coli	<10	cfu/g	ISO 16649-2:2001
Coliforms	<100	cfu/g	ISO 4832:2006
Listeria monocytogenes	Absent in 25/125gr.	cfu/g	BSS EN ISO 11290-1:2017

Aflatoxin(B1+B2+G1+G2)	Max 4 µg/kg.
Cadmium (Cd)	Max 0.5 mg/kg
Pesticides	According to (EC) 396/2005

NUTRITIONAL VALUES in 100g

Total protein (Nx6.25)	21.61 % +- 0.42
Carbohydrates	24.47 % +- 1.58
of which sugars	3.13 % +- 0.26
Of which fiber	10.03% +- 1.72
Fats	46.81% +- 0.72
Saturated fatty acid	5.01% +- 0.51
Unsaturated fatty acid	41.7%
Monounsaturated fatty acid	14.07%
Polyunsaturated fatty acid	27.63%
Ash	3.41 % +- 0.26
Moisture	3.7 % +- 0.29
Energy value	591.75 kcal/100g
MINERALS	in 100 g
Sodium (Na)	0.004 g
Calcium (Ca)	96.8 mg
Magnesium (Mg)	337.8 mg
Zinc (Zn)	5.5 mg
Phosphorus (P)	792.5 mg
Iron (Fe)	4.85 mg
VITAMINS	in 100 g
Vitamin B1	862.5 µg
Vitamin B3	450.8 µg
Vitamin B6	77.58 µg
Tocopherols (Vit. E)	17.584 mg

Nutritional values can vary by variety of seeds, crop, season.

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ADMIXTURES AND INTOLERANCE DATA

ALLERGEN GROUP		CONTAINED IN PRODUCT	POSSIBLE CROSS-CONTAMINATION
1	Cereals and cereal products containing gluten	NO	NO
2	Crustaceans and crustacean products	NO	NO
3	Eggs and egg products	NO	NO
4	Fish and fish products	NO	NO
5	Peanuts and peanut products	NO	NO
6	Soya and soya products	NO	NO
7	Milk and milk products (incl. lactose)	NO	NO
8	Edible nuts and nut products	NO	NO
9	Celery and celery products	NO	NO
10	Mustard and mustard products	NO	NO
11	Sesame seeds and sesame seed products	NO	NO
12	Sulphur dioxide and sulphite in a concentration of more than 10mg/kg or 10 mg/l expressed as SO ₂	NO	NO
13	Molluscs and mollusc products	NO	NO
14	Lupin and lupin products	NO	NO
15	Others	NO	NO

NOTE: traces of wheat/barley/oats/paddy rice/triticale/corn are possible, within limits of above physical specifications.

METAL DETECTION

Metal detectors with sensibility **0.7mm Fe, 0.8mm Non-ferrous and 1.0mm SS** applied to product.

Magnets (neodymium and ceramic) are applied to product.

Frequency of Check: continuous, non-interrupted on product flow

FOREIGN BODY DETECTION

Type: Sieves/Strainers/X-ray/Optic sorter

X-ray sensitivity **Ceramic/glass 3.00 mm., SS 1.5 mm.**

Minimum sieve square shape prior packing 3x15 mm.

RAW MATERIALS/ORIGIN/ INGREDIENTS /TETSING

Raw Material	Country of Origin	Test	Frequency	Standard	Tolerance
Sunflower seeds	Bulgaria	Moisture Admixtures Pesticides	Every 20000 kg. Every 6 months	ISO 665 ISO 658	+/- 0.5%

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PACKAGING INFORMATION

Type of package: 3 plies craft paper bag
Method of Sealing: sewing automatic
Nett Unit Weight: 25000 gr. / 22680 gr. – 50 lbs/
Gross Unit Weight: 25160 gr. / 22840 gr. – 50.07 lbs/
Dimensions: 8400 x 4800 x 1700 mm. (x, y, z)
Coding details: Product code, Product Name, batch code and best before date
Pallet types: one-time use WOODEN, heat treated according ISPM15
Euro EPAL pallets
Pallet size: 1200x800 mm. or varies.
Shrink Wrapping Present.
Barrier Liner Between Pallet & Product - Paper

Big bags packing:

Q bags type: A - PP for food industry. Upper part with “Wrapper” closer, lower part with drain valve. Lifting belts 4 X each corner X 30 cm.

Dimensions of empty big bags: 80/110/165; 90/90/170 cm (width X depth X height)

Dimensions of filled big bags: 90/120/165; 100/100/170 cm.

Net weight of big bag: 750kg; 1000kg.

Tara weight of big bag: around 2.3 kg., 2.1kg

NOTE: Packing details can vary according customer’s requirements. We provide separate packing list details per each dispatched lot.

Waste Packaging regulations: (for palette with 30 bags)

Paper: 4200 g

PET/PP: 700 g

Wood: 15000 g

Specification of product comply with EU legal requirements.

STORAGE INSTRUCTION:

Keep in cool and dry place, avoid sun light. Pest control is recommended

For and on behalf of	Print Name	Signature	Title	Date
Sadina 99 Ltd.			Executive director	1.01.2022

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