



**PRODUCT SPECIFICATION
Sunflower Seeds**

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1. Product Information

Name	Sunflower Seeds
Country of Origin	Bulgaria, China, Romania
Profile	Latin Name : Helianthus Annuus. Variety – Only as accepted and approved.
Composition	100% Sunflower Seeds
Production Description	Derived from hulled, cleaned, separated and sieved sunflower kernels. The product is free from any further additives or preservatives.
Quality Declaration	The product is handled, packed and stored under the manufacturing practices and processes of HACCP, GFSI Certified Standards and produced in compliance with the specified requirements of the Product Specification.

2. Physical and Chemical Analysis

Parameters	Requirements/ Tolerance
Colour	Off – white, grey
Aroma	Typical characteristic of Sunflower Seed
Taste	Clean and fresh nutty taste, typical of Sunflower Seed
Texture	Firm, not brittle or soggy / moist
Moisture	< 7.5%
Purity	99.9%
Broken Kernels (< ½)	Bakery < 10% / Premium < 5%
Extra vegetable matters	20 pieces (per 25Kg)
Unhulled Kernels (>¼ shell)	< 0.5%
Discoloured Kernels	< 1%
Organoleptic defects	Free from off taste or smell
Endogenous foreign matter	Nil
Exogenous foreign matter – insect / larvae / worms	< 1%
Foreign matter – wood, glass, metal, stone, plastic	Nil

3. Sizing

Size / Grade	Count / Ounce
Premium	600 (+/- 7%)
Bakery	600 – 800



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4. Microbiological Limits

Parameters	Unit	Limits
TPC	cfu/ g	< 100,000
Yeast	cfu/ g	< 10,000
Mould	cfu/g	< 10,000
Coliforms	cfu/ g	< 1,000
<i>Staphylococcus</i>	cfu/ g	< 100
<i>E.Coli</i>	cfu/ g	< 10
<i>Salmonella</i>	in 25 g	Negative
<i>Listeria Monocytogenes</i>	cfu/ g	< 100
<i>Aflatoxins B1</i>	ug/Kg	Max 2
<i>B1+B2+B3+B4</i>	ug/Kg	Max 4

Complies with EU Regulation 2073/2005. (As retained in UK law before 23:00 on 31 December 2020)

5. Production Controls

X-Ray	To detect and reject test pieces, Metal: 1.2mm, Glass: 2.0mm, Ceramic: 2.0mm, before being packed.
Magnetic Separation	Magnetic force >5000Gs, before being packed
Weight Control Check	Weighting tolerance – N/A. Minimum Net Weight as per Specification and carton label.

6. Nutritional Value

Nutritional Data*		Average per 100 g
Energy	(Kj/Kcal)	2710 kj / 656 kcal
Total Fat	(g)	59.7g
of which Saturated Fat	(g)	7g
Total Carbohydrates	(g)	4.5g
of which Sugar	(g)	2.6g
of which Fibers	(g)	8.9g
Protein	(g)	20.8g
Sodium	(mg)	1mg

**This nutritional disclaimer notifies that under no circumstances will Integrity foods be responsible for any loss, damage or liability resulting from your reliance on nutritional information given. The approximate nutritional values given are only to be used as guidance.*



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7. Packaging Items and Labelling –

- **Packaging Items:** All packaging items to be agreed with Customers prior to production

Items	Properties
Bag	Clean first use, food safe, 3-ply micro-perforated White paper bag (sealed) with Clear perforated PE-pad lined inner.
Bulk	Clean, first use, food safe, White PP bag (sealed)
Seal	Valve closure, Sewn – No staples
Label	One per bag
Pallet	Unless specifically agreed otherwise – Standard first use industrial wooden (100x120cm) or euro (80x120cm), clean, free from damage, foreign materials. Floor loading = No pallets.
Pallet wrap	All pallets are wrapped.
Weight per case/unit	25kg Bag / 1ton Bulk
Number of cases per pallet	tbc
<i>Complies with related EU legislations, in particular EU Regulation 1935/2004. (As retained in UK law before 23:00 on 31 December 2020)</i>	

7.1 Label Detail: Each Bag – Pre-Approval required

- **Name of Product** : As per Specification Product Description
- **Material Number** : Customer Specific
- **Raw Material Origin** : Country
- **Batch No** : **0000**
- **Production Date** : DDMMYY
- **Best Before Date** : DDMMYY
- **Net weight** : X Kgs
- **Gross Weight** : X Kgs
- **Manufacturer/ Packer** : Name

8. Shelf-Life & Storage Conditions

- 12 months from production date if stored in original sealed packaging
- Ambient storage and transportation (Max 20°C)
- Long term storage at 5°C
- Store at appropriate temperature, in a clean and dry environment, away from direct sunlight and strong odours.
- The means of transport must ensure hygiene conditions and guarantee integrity and quality of the produce.
- Product shall be protected from weather, condensation, dust, infestation and any other contamination elements.
- Rotate stocks to use oldest first.



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9. Consumer Group & Intended Use

- Edible – For general consumer consumption, predominantly as an ingredient.

10. Regulatory Declarations

Pesticides	Pesticide detected residues comply with the legislative maximum levels (MRL's) of (EC) No 396/2005
Total Heavy Metal	The product complies with legislative maximum levels in accordance with (EC) No 1881/2006
GMO	The product is free from any GMO material in accordance with EU legislation (EC) No 1829 & 1830/2003
<i>Related EU legislations (As retained in UK law before 23:00 on 31 December 2020)</i>	

Allergen

<u>Allergens:-</u> When purchased in bulk size original packaging, manufacturer allergen policy will apply. When purchased in quantities that need re-packaging, our allergen policies will apply.						
Component	Manufacturer			Nuts in Bulk (Applies when bought in small quantities that need re-packaging)		
	In Product	Processed in Same Equipment	Handled on Site	In Product	Processed in Same Equipment	Handled on Site
Cereals containing GLUTEN and products thereof	NO	NO	NO	NO	YES	YES
EGGS or its derivatives	NO	NO	NO	NO	NO	NO
FISH or its derivatives	NO	NO	NO	NO	NO	NO
CRUSTACEANS / SHELLFISH	NO	NO	NO	NO	NO	NO
MOLLUSCS	NO	NO	NO	NO	NO	NO
PEANUTS or derivatives	NO	NO	NO	NO	YES	YES
SOYA BEANS or derivatives	NO	NO	NO	NO	YES	YES
MILK (LACTOSE) or its derivatives	NO	NO	NO	NO	YES	YES
NUTS , tree nuts:	NO	NO	NO	NO	YES	YES
CELERY, including celeriac and its derivatives	NO	NO	NO	NO	YES	YES
MUSTARD, referring to all parts of the plant and derivatives thereof	NO	NO	NO	NO	YES	YES
SESAME SEEDS or derivatives	NO	NO	NO	NO	YES	YES
SULPHITES >10ppm – Sulphite quantity to be given in ppm	NO	NO	NO	NO	YES	YES
LUPIN seeds or derivatives	NO	NO	NO	NO	NO	NO