

	<b>PRODUCT SPECIFICATION</b>				
	<b>Pumpkin Seeds GWS, Shineskin</b>				
	<b>Document No</b>	<b>Issued Date</b>	<b>Rev. No</b>	<b>Rev. Date</b>	<b>Page No</b>
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## 1. Product Information

<b>Name</b>	Conventional Pumpkin Seeds
<b>Country of Origin</b>	China
<b>Profile</b>	N/A
<b>Composition</b>	100% Pumpkin Seeds
<b>Production Description</b>	Derived from clean, washed and destoned pumpkin seeds, sorted and selected before being packed. The product is free from any further additives or preservatives.
<b>Quality Declaration</b>	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 Appearance & Tolerance

Parameters	Tolerance – Grade AA	Tolerance – Grade A
Colour	Green to dark Green	Light Green to dark Green
Aroma	Characteristic of Pumpkin Seed	Characteristic of Pumpkin Seed
Taste	Clean and fresh nutty taste typical of pumpkin seeds.	Clean and fresh nutty taste typical of pumpkin seeds.
Texture	Firm, Crunchy, Free Flowing	Firm, Crunchy, Free Flowing
Purity	99.95%	99.95%
Broken (less than half)	3%	5%
Moisture	7.5%	7.5%
Extra vegetable matters	20 pieces (per 25Kg)	20 pieces (per 25Kg)
Stone >1mm	1 piece (per 50kg)	3 piece (per 50kg)
Sclerotina	3 pieces (per 25Kg)	3 pieces (per 25Kg)
Shell on Kernels	5 pieces (per 25Kg)	5 pieces (per 25Kg)
Yellow/white kernels	2%	5%
Cat Eyes	1.5%	5%
Oily Kernels	Max 2%	Max 2%
Organoleptic defects	Free from off taste or smell	Free from off taste or smell
Endogenous foreign matter	Nil	Nil
Foreign matter – wood, glass, metal, stone, plastic	Nil	Nil

## 3. Sizing

Size Grade	AA : A (650 – 1000 per 100g)

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#### 4. Microbiological Limits

<b>Parameters</b>	<b>Unit</b>	<b>Limits</b>
TPC	cfu/ g	< 100,000
Yeast	cfu/ g	< 1,000
Mould	cfu/g	< 1,000
Coliforms	cfu/ g	< 100
Staphylococcus	cfu/ g	< 50
E.Coli	in 25 g	Negative
<i>Salmonella</i>	in 25 g	Negative
<i>Aflatoxins B1</i>	ug/Kg	Max 2
<i>B1+B2+B3+B4</i>	ug/Kg	Max 4
<i>Complies with EU/ UK/ FDA Regulations; country of delivery</i>		

#### 5. Production Controls

<b>X-Ray</b>	To detect and reject test pieces, Metal: 0.5mm, Glass: 4.0mm, Ceramic: 2.0mm, Silicon: 4.0mm & SUS: 1.0mm, before being packed.
<b>Laser Sorter</b>	To detect and separate foreign bodies during production
<b>Magnetic Separation</b>	Magnetic force > 3500Gs, before being packed
<b>Metal Detection</b>	Detector to reject test pieces, Ferrous: 1.5mm, Non-Ferrous: 3.0mm & Stainless steel: 2.5mm, before being packed.
<b>Weight Control Check</b>	Weighting tolerance – N/A. Minimum Net Weight as per Specification and carton label.

#### 6. Nutritional Value

<b>Nutritional Data*</b>		<i>Average per 100 g</i>
Energy	(Kj/Kcal)	2345kj / 565 kcal
Total Fat	(g)	48.8
of which Saturated Fat	(g)	8.6
Carbohydrates	(g)	10.1
of which Sugar	(g)	1.1
Fibers	(g)	3
Protein	(g)	34.8
Sodium	(mg)	28

*\*This nutritional disclaimer notifies that under no circumstances will our supplier 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

<b>Items</b>	<b>Properties</b>
Bag	Clean first use, food safe, Brown Kraft paper bag, Heat sealed or Stitched – No staples. With clean first use, food safe, (heat sealed) Blue PE bag inner.
Bulk	Clean, first use, food safe, White PP bag, Valve closure or 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 (55.11lb) Bag / 650kg (1433.00lb) or 1ton (2204.62) Bulk
Number of cases per pallet	tbc
<i>Complies with related EU/ UK/ FDA legislations; country of delivery</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 (lbs)
- **Gross Weight** : X Kgs (lbs)
- **Manufacturer/ Packer** : Name
- **Item Code** : 17 Digit IF Code

## 8. Shelf-Life & Storage Conditions

- **18 months from production date if stored in original sealed packaging**
- **Ambient storage and transportation (Max 20°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

<b>Pesticides</b>	Pesticide detected residues comply with the legislative maximum levels (MRL's) stipulated by EU/ UK/ FDA*
<b>Total Heavy Metal</b>	The product complies with legislative maximum levels in accordance with levels stipulated by EU/ UK/ FDA*
<b>GMO</b>	The product is free from any GMO material in accordance with EU/ UK/ US legislation.
<b>Allergen</b>	The final product does not contain any allergen; neither used as an ingredient, nor produced on same line. However, allergens are documented and segregated on site; complying with EU/ UK/ FDA stipulated allergen list.
*Country of delivery	

## 11. Chemical Analysis

<b>Acid Value (mg/g fat)</b>	Max 2
<b>Peroxide Value (mg/kg)</b>	Max 10
<b>Phosphonic Acid (mg/kg)</b>	Max 0.05

## 12. Sign off by our supplier

	<b>IF Prepared by</b>	<b>IF Approved by</b>	<b>Supplier/Customer Approved</b>
<b>Signature</b>	Adam Patman	Josias Nunes	
<b>Position</b>	Technical Lead	Commercial Director	
<b>Date</b>	10.04.2025	10.04.2025	