

# PRODUCT SPECIFICATION

FREEWORLD TRADING LIMITED



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PRODUCT DESCRIPTION:	Pumpkin Seeds, Micro Controlled
PRODUCT CODE:	0550
DATE ISSUED:	09.04.2025
DATE REVIEWED:	
REVISION NUMBER:	9

SUPPLIER NAME:	Freeworld Trading Limited
SUPPLIER ADDRESS:	21 Annandale Street Edinburgh EH7 4AW
TELEPHONE NUMBER:	0131 557 5600
EMAIL ADDRESS:	<a href="mailto:quality_control@freeworld-trading.co.uk">quality_control@freeworld-trading.co.uk</a> <a href="mailto:sales@freeworld-trading.co.uk">sales@freeworld-trading.co.uk</a> <a href="mailto:logistics@freeworld-trading.co.uk">logistics@freeworld-trading.co.uk</a>

CONTACT TECHNICAL:	Karen Greenhorn
POSITION HELD:	Quality Control
EMAIL ADDRESS	<a href="mailto:karen@freeworld-trading.co.uk">karen@freeworld-trading.co.uk</a>

Commodity Buyer	Alex Poole
Email Address	<a href="mailto:alex@freeworld-trading.co.uk">alex@freeworld-trading.co.uk</a>

1.00 PRODUCT INFORMATION	
Product Description	Chinese pumpkin seeds
Grade/Variety	GWS or Shineskin. Grade AA or A
Pack weight/format	25kg
Packaging materials	Multilayer bags
Shelf-life from production	18 months

2.00 INGREDIENT BREAKDOWN					
Ingredient	% at Recipe bowl stage	% in Final Product	Variety/Grade	Country of Origin	Country Of Manufacture
Pumpkin seeds		100		China	China

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3.00 PRESERVATIVES AND PROCESSING AIDS		
E. Number	Name	Maximum Limit
	N/A	
If processing aid state which process it aids and how.		

4.00 SEASONAL VARIATION
None

5.00 GENETIC MODIFICATION			
GENETICALLY MODIFIED ORGANISMS	YES	NO	IF YES WHICH INGREDIENT
1. Does the product or any of its ingredients contain any genetically modified material – whether viable or not?		✓	
2. Is the product or any of its ingredients produced from, but not containing, any genetically modified material – whether viable?		✓	
3. Has the product or any of its ingredients been significantly changed as a consequence of the use of genetic modification?		✓	
4. Have genetically modified organisms been used as processing aids or additives to produce processing aids or additives used in conjunction with the production of the food or any of its ingredients?		✓	

6.00 IRRADIATION	
Has the product or any of its components been irradiated?	No

7.00 ORGANOLEPTIC PROPERTIES	
Provide a full description of the organoleptic properties of the PRODUCT.	
Appearance:	Grade AA Shine skin: Variety: uniform light green flat oval seeds pointed at one end rounded at the other Grade A Shine skin Variety: variable greenish/yellow colour flat oval seeds pointed at one end, rounded at the other. Grade AA GWS variety: dark green flat oval seeds pointed at one end, rounded at the other Grade A GWS Variety: variable dark green flat oval seeds pointed at one end, rounded at the other
Flavour and Aroma:	Clean fresh and nutty taste typical of pumpkin seeds. Free from any taint or off flavour
Texture:	Fresh and firm

Organoleptic properties are obviously dependent on the crop and harvesting conditions of the current year.

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8.00 NUTRITIONAL INFORMATION		
Parameter	Value (per 100grams)	Source
Energy Kj / kcal	2513.7/606.65	USDA (modified by Regulation (EU) No 1169/2011)
Fats	49.05	
Of which:	-	
-saturated	8.544	
-monounsaturated	15.734	
-polyunsaturated	19.856	
Carbohydrates (total)	14.71	
Of which:	-	
-sugars	1.29	
-fibre	6.5	
Protein	29.84	
Sodium (mg)	18	
Salt (g)	0.045	

9.00 PRODUCT SUITABILITY		
Dietary Requirement	Yes/No	Comments
Coeliac	Yes	There is no gluten within the product recipe; there is no gluten on the production line. However we cannot guarantee that the raw materials entering the factory are gluten free. We have taken every reasonable precaution and proceeded with due diligence, however we cannot guarantee cross contamination on vehicles/containers etc.
Vegetarians	Yes	There are no animal products within the product recipe; there are no animal products on the production line. We have taken every reasonable precaution and proceeded with due diligence, however we cannot guarantee cross contamination on vehicles/containers etc.
Vegans	Yes	There are no animal products within the product recipe; there are no animal products on the production line. We have taken every reasonable precaution and proceeded with due diligence, however we cannot guarantee cross contamination on vehicles/containers etc.
Lactose Intolerant	Yes	There are no dairy products within the product recipe; there are no dairy products on the production line. We have taken every reasonable precaution and proceeded with due diligence, however we cannot guarantee cross contamination on vehicles/containers etc.
Kosher	Yes	Certified Yes
Halal	Yes	Certified Yes

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10.00 ALLERGENS				
Product	In the product (Y/N)	Within the facility (Y/N)	On the same production line (Y/N)	Comments
Peanuts / peanut derivatives	No	No	No	
Nut / nut derivatives	No	No	No	
Sesame seeds / sesame seed derivatives	No	No	No	
Mustard / mustard products	No	No	No	
Milk / milk derivatives	No	No	No	
Egg / egg derivatives / albumen	No	No	No	
Gluten	No	No	No	
Soya / soya derivatives	No	No	No	
Lupin / lupin derivatives	No	No	No	
Fish / fish derivatives	No	No	No	
Crustaceans	No	No	No	
Molluscs	No	No	No	
Sulphur Dioxide and sulphites	No	No	No	
Celery	No	No	No	

Nut and nut derivatives includes: almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nuts and macadamia nut.

Gluten includes: wheat, rye, barley, oats, spelt, kamut, or their hybrid strains.

Our 3<sup>rd</sup> party warehouses store allergens, however, they take all necessary precautions and store all allergens in segregated areas. We have taken every reasonable precaution and proceeded with due diligence, however, we cannot control the risk of cross contamination in distribution, since we have limited control over the third party service involved. Therefore, we cannot guarantee absence of any particular allergen. Should you wish to make any allergen statements against your products please contact Freeworld Trading before hand.

11.00 CHEMICAL ANALYSIS	
Parameter	Specification Limits
Moisture	8% max
Free Fatty Acids	Max 2%
Peroxide Value	Max 5meqO2/KG
Pesticides	As per EU/UK Legislation
Heavy Metals	As per EU/UK Legislation
Aflatoxin	As per EU/UK Legislation



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12.00 MICROBIOLOGY	
Microbes	Typical Levels
Total Viable Count	Max 50,000 cfu/g
Coliforms	Max 100 cfu/g
Escherichia Coli	<10 cfu/g
Yeasts	Max 1,000 cfu/g
Moulds	Max 1,000 cfu/g
Salmonella	Absent in 25gms

13.00 Physical Analysis				
Physical attributes	Specification			
	GWS Grade AA Extra Clean	GWS Grade A	Shine skin Grade AA Extra Clean	Shine skin Grade A
Purity	Target 99.99% Tolerance 99.95%	Target 99.99% Tolerance 99.95%	Target 99.99% Tolerance 99.95%	Target 99.9% Tolerance 99.95%
External vegetable matter (including schlerotina)	Target 2 Tolerance 4 <b>pieces/package</b>	Target - Tolerance 0.05%	Target 0 Tolerance 2 <b>Pieces/50lb bag</b>	Target – Tolerance 0.05%
Brokens (broken kernels is any portion less than ½ of the whole kernel)	Target 5% Tolerance 7%	Target 3% Tolerance 5%	Target 5% Tolerance 7%	Target – Tolerance 5%
Foreign matter such as glass, wood, metals, stones, insects (dead or alive)	Free from	Free from	Free from	Free from
Rancid Kernels	Target 0.3% Tolerance 0.5%	Target 0.5% Tolerance 0.7%	Target 0.3% Tolerance 0.5%	Target 0.5% Tolerance 0.8%
Inshells/with shells	Target - Tolerance 1%	Target 1% Tolerance 2%		
Light colour	Target 5% Tolerance 8%	Target 30% Tolerance 50%		
The heat treatment process involves heating to a core temperature of 80-105C for 30-36minutes				
Declaration: Although due care and attention has been taken during the processing of this natural product. The product may contain traces of pits/stalks/shell.				

14.00 COUNT/SIZE		
Size	Per Lb	

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GWS Grade AA	700-1000	Please note pumpkin seeds are a natural agricultural product and the counts will vary.
GWS Grade A	700-1000	
Shine Skin Grade AA	700-1000	
Shine Skin Grade A	700-1000	

### 15.00 RECOMMENDED STORAGE CRITERIA

Storage Conditions:	In clean, dry, cool place, away from heat and direct sunlight.
In order to preserve maximum freshness and prevent infestation FWT recommend storing our products in cool store at <10C	

### 16.00 OBLIGATIONS UPON THE PART OF THE SUPPLIER & TRADING TERMS OF FREEWORLD TRADING.

#### Suppliers:

The supplier must comply with all relevant United Kingdom and European Community Legislation and all relevant legal and food safety criteria. The supplier must agree to comply with Freeworld Trading Standard Conditions of Supply.

The supplier is responsible for informing Freeworld Trading in writing and a minimum of one calendar month in advance of any proposed change of formulation, manufacturing process or packaging materials and changes in the origin places of process of any materials used to produce the product to be supplied to Freeworld Trading. No change is to be made without the prior knowledge and prior written agreement of Freeworld Trading.

#### Customers:

1. No claims entertained after 7 days from delivery.
2. Any overdue amounts are liable to interest charged at 3% over base rate per month.
3. Title and goods remain with Freeworld Trading Ltd. until the purchase price is paid in full'
4. The risk in the goods shall pass to the buyer at the time of delivery where carriage is made by independent carrier, then at the time of collection by this carrier. or where the goods are sold ex-warehouse at the time the buyer is notified that the goods are released for collection.
5. If the goods or any part of thereof supplied under the contract are processed or altered in any way by the buyer or any other agent, the quality of the goods shall be deemed acceptable by the buyer. In addition all customers quality control checks are to be completed on the entire load prior to use in application

FOR AND ON BEHALF OF FREEWORLD TRADING



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NAME: (Technical)	Karen Greenhorn	
POSITION HELD:	Quality Control	
TECHNICAL SIGNATURE	<i>Karen Greenhorn.</i>	
DATE:	09.04.2025	
Name: (Buyer)	Alex Poole	
Signature:	<i>Mr A.</i>	



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