



FREEWORLD TRADING LIMITED

PRODUCT SPECIFICATION

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PRODUCT DESCRIPTION:	Sunflower Kernels, Hulled Bakery Grade
FWT CODE:	0544
DATE ISSUED:	21/11/2017
REVISION NUMBER:	4

SUPPLIER NAME:	Freeworld Trading Limited
SUPPLIER ADDRESS:	21 Annandale Street Edinburgh EH7 4AW
TELEPHONE NUMBER:	0131 557 5600
FACSIMILE NUMBER:	0131 557 5665
EMAIL ADDRESS:	quality_control@freeworld-trading.co.uk sales@freeworld-trading.co.uk logistics@freeworld-trading.co.uk

CONTACT TECHNICAL:	Karen Greenhorn
POSITION HELD:	Quality Control
EMAIL ADDRESS	karen@freeworld-trading.co.uk

Commodity Buyer	Alex Poole
Email Address	alex@freeworld-trading.co.uk

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1.00 Product DescriptionPlease provide a brief description of the **PRODUCT** including, name of product and pack size.

Bulgarian hulled sunflower kernels packed in 25kg paper sacks

2.00 Ingredient Breakdown

Ingredient	% at Recipe bowl stage	% in Final Product	% Compound Ingredient Breakdown	Variety/Grade	Country Of Origin
Sunflower kernels		100%		Bakery	Bulgaria

3.00 Stability Control For Raw Ingredients

Ingredient	'State' eg. Liquid / powder / paste	Max life - days	Storage temp. °C	Washing process. Detail chemical used, concentration and contact time	Aw	pH	% moisture	Heat process time & CORE temperature	Status of manufacturing areas e.g GMP, High Care, High Risk
Details for each individual component of raw material									
Sunflower Seeds	Solid	365	Ideal 5C				Max 8%		GMP

4.00 Preservatives and Processing Aids

E. Number	Name	Maximum Limit
	N/A	

If processing aid state which process it aids and how.

N/A

5.00 Seasonal Variation

N/A

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6.00 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?		√	

7.00 ORGANOLEPTIC PROPERTIES	
Provide a full description of the organoleptic properties of the PRODUCT.	
Appearance:	Greyish white, long-circle kernels typical of hulled sunflower seeds
Flavour and Aroma:	Fresh, nutty not bitter and rancid
Texture:	Firm, not brittle or moist

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

8.00 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 can not 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 – Dependant on supplier. If required, please ask
Halal	Yes	Certified – Dependant on supplier. If required, please ask

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9.00 Allergen Data				
Product	In the product Y/N	Within the factory Y/N	On the same production line Y/N	Stored in Same Warehouse in UK Y/N
Peanuts and peanut derivatives	No	No	No	No
Nut and nut derivatives (almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nuts, macadamia nut and Queensland nut)	No	No	No	Yes
Sesame seeds / sesame seed derivatives	No	No	No	Yes
Mustard / mustard products	No	No	No	No
Milk / milk derivatives	No	No	No	No
Egg / egg derivatives / albumen	No	No	No	No
Gluten (i.e wheat, rye, barley, oats, spelt, kamut, or their hybrid strains)	No*	No	No	No
Soya / Soya derivatives	No	No	No	No
Lupin / Lupin derivatives	No	No	No	No
Fish/Fish derivatives	No	No	No	No
crustaceans	No	No	No	No
molluscs	No	No	No	No
Sulphur Dioxide and sulphites	No	No	No	Yes
Celery	No	No	No	No

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. *Considering the farming practices in Bulgaria, where sunflower is grown next to wheat and corn, it is possible for materials containing gluten to be present in the raw material. However, all necessary precautions are taken at the factories to avoid cross contamination.

10.00 Nutritional Information		
Parameter	Value (per 100grams)	Source
Energy Kj / kcal	2711 / 647	USDA (modified by Regulation (EU) No 1169/2011)
Fat	51.46	
Of which:		
-saturates	4.455	
-monounsaturates	18.528	
-polyunsaturates	23.137	
Carbohydrates	20.00	
Of which:		
-Sugars	2.62	
Fibre	8.6	
Protein	20.78	
Salt	0.023	
Minerals		
Calcium (mg)	116	
Iron (mg)	6.77	
Magnesium (mg)	362	
Phosphorus (mg)	705	
Potassium (mg)	689	

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11.00 Chemical Analysis	
Parameter	Specification Limits
Moisture	Max 8% Every batch tested
Aflatoxin	Total <4ppb, B1 <2ppb tested per crop
Pesticides	As per EU/UK Legislation
Heavy Metals	As per EU/UK Legislation

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

13.00 Physical Analysis	
Physical attributes	Specification
Discoloured Kernels	<1%
Broken Kernels	<10% (less than 1/2 kernel)
Insect damage	<1%
Unhulled Kernels/sticktites (kernel covered by >1/4 by shell)	<0.1%
Purity	>99.99%
Foreign components (trimming) - animal/mineral/plant	<0.01%
Schlerotina	Absent
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 OZ			
Count	660 ± 7%			

15.00 SHELF-LIFE
SHELF-LIFE FROM DATE OF PRODUCTION: 12 months
Please note the product will be safe to use for the duration of the shelf-life after opening, providing they have been stored correctly.

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16.00 Metal Detection		
Metal detection	Ferrous (mm)	Varies depending on supplier at origin
	Non –Ferrous (mm)	Varies depending on supplier at origin
	Stainless Steel (mm)	Varies depending on supplier at origin

17.00 Recommended Storage Criteria		
All our products are designed for ambient storage, however we choose to keep our products between 6-10°C to preserve maximum freshness and prevent infestation.		
COOL STORE	5°C	
Ambient	Max 20°C	
AWAY FROM DIRECT SUNLIGHT	Yes	

18.00 MATERIALS						
Recommended pallet stacking for the product, however this may vary depending on warehouse/haulier						
PALLET						
No of units per layer		Maximum				
No of units per pallet		Maximum				
No of units per pallet		Minimum				
Method of pallet security	Shrink Wrap	Shrink-wrap / Pallet-wrap / Banding				
Type of pallet used						
CONTACT PACKAGING MATERIAL						
Material	3-ply paper bags	Food Grade	YES	√	NO	
Colour	Grey/white/brown					
Grade	Food					
Dimensions	480x900x170	mm				
Weight	170	g				
Method of closure	Stitched	Tape / EEC Tape / Stitching				
OUTER PACKAGING MATERIAL						
Material						
Colour						
Grade						
Weight		G				
Dimensions		Mm				
Method of closure		Tape / EEC Tape / Stitching				
19.00 SOURCE AND POINT OF MANUFACTURE						
State the country of Manufacture	Bulgaria					
Is the Product produced and packaged in the suppliers own premises:-	Yes					

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20.00 OBLIGATIONS UPON THE PART OF THE SUPPLIER & TRADING TERMS OF FREEWORLD TRADING.

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.

Freeworld Trading Limited

- 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

NAME: (Technical)	Karen Greenhorn
POSITION HELD:	Quality Control
TECHNICAL SIGNATURE	<i>Karen Greenhorn.</i>
DATE:	21/11/2017
Name: (Buyer)	Alex Poole
Signature:	<i>Alex Poole</i>

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