



FREeworld TRADING LIMITED

PRODUCT SPECIFICATION

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| | |
|-----------------------------|---|
| PRODUCT DESCRIPTION: | Sunflower Kernels, Hulled Bakery Grade |
| FWT CODE: | 0544 |
| DATE ISSUED: | 05/10/2020 |
| REVISION NUMBER: | 6 |

| | |
|--------------------------|--|
| 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 |

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|---------------------------|--------------------------------------|
| 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 Description

Please 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 |
| Enteros/Coliforms | <1,000 cfu/g |
| Escherichia Coli | <10 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 ½ 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 | 680 ± 7% | | | |
| | | | | |
| | | | | |

| 15.00 SHELF-LIFE |
|--|
| SHELF-LIFE FROM DATE OF PRODUCTION: 12 months |

| 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 |

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| 17.00 Recommended Storage Criteria | | |
|------------------------------------|----------|--|
| 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: | 05/10/2020 |
| Name: (Buyer) | Alex Poole |
| Signature: | <i>Alex Poole</i> |

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