

Code: RC-005

Version: 5

Date: 03.12.15

## FREEWORLD TRADING LIMITED

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PRODUCT DESCRIPTION:	Pumpkin Seeds, Micro Controlled			
FWT CODE:	0550			
DATE ISSUED:	20.04.2018			
REVISION NUMBER:	5			

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:	<pre>quality control@freeworld-trading.co.uk sales@freeworld-trading.co.uk logistics@freeworld-trading.co.uk</pre>

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

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Dago 1 of 0
		Page <b>1</b> of <b>9</b>



Code: RC-005 Version: 5

Date: 03.12.15

1.00 PRODUCT DESCR	RIPTION	
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Please provide a brief description of the PRODUCT including, name of product and pack size.

Chinese pumpkin seeds packed into 25kg bags

2.00 INGREDIENT	BREAKDOWN				
Ingredient	% at Recipe bowl stage	% in Final Product	% Compound Ingredient Breakdown	Variety/Grade	Country Of Origin
Pumpkin seeds		100%		Variety: GWS or Shineskin Grade: AA or A	China

3.00 STABIL	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	рН	% moisture	Heat process time & CORE temperature	Status of manufacturin g areas e.g GMP, High Care, High Risk
Details for ea	Details for each individual component of raw material								
Pumpkin Seeds	Solid	365	<25	n/a	<5 0.	-	<8%	80-105C for 30-36 min	GMP

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

5.00 SEASONAL VARIATION		
None		

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Daga 2 of 0
		Page <b>2</b> of <b>9</b>



Code: RC-005

Version: 5

Date: 03.12.15

6.00 GENETIC MODIFICATION			
GENETICALLY MODIFIED ORGANISMS	YES	NO	IF YES WHICH INGREDIENT
<ol> <li>Does the product or any of its ingredients contain any genetically modified material – whether viable or not?</li> </ol>		V	
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?		<b>V</b>	

7.00 ORGANOLEPTIC	PROPERTIES
7.00 UNGANULLY HE	FNOFLNILS

Provide a full description of the organoleptic properties of the PRODUCT.

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

Appearance: 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.

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Daga 2 of 0
		Page <b>3</b> of <b>9</b>



Code: RC-005

Version: 5

Date: 03.12.15

8.00 NUTRITIONAL INFORMATION		
Parameter	Value (per 100grams)	Source
Energy Kj / kcal	2596/620	
Fats	49.05	
Of which:	-	
-saturated	8.659	
-monounsaturated	16.242	
-polyunsaturated	20.976	
Carbohydrates	10.71	
Of which:	-	
-sugars	1.40	
-polyols		USDA (modified by Regulation
-starch	1.47	(EU) No 1169/2011)
Fibre	6.0	
Protein	30.23	
Minerals		
Salt (g)	0.018	
Calcium (mg)	46	
Iron (mg)	8.82	
Magnesium (mg)	592	
Phosphorus (mg)	1233	
Potassium (mg)	809	

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 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 Yes
Halal	Yes	Certified Yes

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Dago 4 of 0
		Page <b>4</b> of <b>9</b>



Code: RC-005

Version: 5

Date: 03.12.15

10.00 ALLERGEN DATA				
Product	In the product Y/N	Within the factory Y/N	On the same production line Y/N	Stored in Same Warehouse Y/N
Peanuts and peanut derivatives	No	No	No	If stored, it is in segregated area
Nut and nut derivatives (almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nuts, macadamia nut and Queensland nut)	No	Yes	No	In segregated area
Sesame seeds / sesame seed derivatives	No	Yes	No	In segregated area
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	If stored, it is in segregated area
Soya / Soya derivatives	No	No	No	If stored, it is in segregated area
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	In segregated area
Celery	No	No	No	No

Allergens stored in the warehouse can be subject to change from the above list. However, the warehouses 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.

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Dago E of O
		Page <b>5</b> of <b>9</b>



Code: RC-005 Version: 5

Date: 03.12.15

11.00 CHEMICAL ANALYSIS		
Parameter	Specification Limits	
Moisture	8% max	
Free Fatty Acids	Max 2%	
Peroxide Value	Max 5 meqO2/kg	
Aflatoxin	Total 4ppb, B1 2ppb	
Pesticides	As per EU/UK Legislation	
Heavy Metals	As per EU/UK legislation	

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 1000 cfu/g
Moulds	Max 1000 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 pieces/package	Target - Tolerance 0.05%	Target 0 Tolerance 2 Pieces/50lb bag	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%		00.00

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.

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Daga 6 of 0
		Page <b>6</b> of <b>9</b>



Code: RC-005

Version: 5

Date: 03.12.15

14.00 Count/Size		
Size	Approx per 100gms	
GWS Grade AA	700-1000	
GWS Grade A	700-1000	Please note pumpkin seeds are a natural
Shine skin Grade AA	700-1000	agricultural product and the counts will vary.
Shine Skin Grade A	700-1000	

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#### **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.

16.00 METAL DETECTION			
Metal detection	Ferrous (mm)	2.0mm	
	Non –Ferrous (mm)	2.5mm	
	Stainless Steel (mm)	2.5mm	

### 17.00 RECOMMENDED STORAGE CRITERIA

All our products are designed for ambient storage, however we choose to keep our products between  $6-10^{\circ}$ C to preserve maximum freshness and prevent infestation.

COOL STORE	6-8C	
Ambient	Max 20C	
AWAY FROM DIRECT SUNLIGHT	Yes	

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Dago <b>7</b> of <b>0</b>
		Page <b>7</b> of <b>9</b>



Code: RC-005

Version: 5

Date: 03.12.15

10.00 MATERIAL C							
18.00 MATERIALS						/1 11	
Recommended pallet stacking fo	or the product, however	this ma	ay vary depo	ending or	i warei	nouse/hauli	er
PALLET							
No of units per layer		Maxim					
No of units per pallet		Maxim					
No of units per pallet		Minim	um				
Method of pallet security		Shrink	-wrap / Pall	let-wrap /	<sup>/</sup> Bandi	ing	
Type of pallet used							
CONTACT PACKAGING MATERIA	\L						
Material	Three-layer com	Three-layer composite		YES		NO	
	bag( PA+PE, Foo	d	Grade				
	grade bag)						
Colour	blue	blue					
Dimensions	49.5cm x 92cm	49.5cm x 92cm					
Weight	130	130 g					
Method of closure	Hot seal	Hot seal Tape / EEC Tape / Stitching					
<b>OUTER PACKAGING MATERIAL</b>							
Material	Paper bag	Paper bag					
Colour	Brown	Brown					
Grade	Food	Food					
Weight	175	175 G					
Dimensions	50cmx90cm	50cmx90cm cm					
Method of closure	Stitching	٦	ape / EEC 1	Γape / Stit	ching		

19.00 SOURCE AND POINT OF MANUFACTURE			
State the country of Manufacture China			
Is the Product produced and packaged in the suppliers own premises:-		Yes	

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Dago <b>9</b> of <b>0</b>
		Page <b>8</b> of <b>9</b>



Code: RC-005

Version: 5

Date: 03.12.15

# 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 carriege 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	Karen Greenhorn.
DATE:	20.04.2018
Name: (Buyer)	Alex Poole
Signature:	Ur U.

Prepared by: Shelby Bodily	Approved by: Marcela Graziano	Dago O of O
		Page <b>9</b> of <b>9</b>