	<h1>Product Specification</h1>	Code: RC-005
		Version: 5
		Date: 03.12.15

## FREEWORLD TRADING LIMITED

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PRODUCT DESCRIPTION:	Cashew Nuts, Organic
FWT CODE:	0245
DATE ISSUED:	13/02/2019
REVISION NUMBER:	4

SUPPLIER NAME:	Freeworld Trading Limited
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CONTACT TECHNICAL:	Karen Greenhorn
POSITION HELD:	Quality Control
EMAIL ADDRESS	karen@freeworld-trading.co.uk

Commodity Buyer	Michael Stevens
Email Address	Michael@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.

Organic Cashew nuts packed in 2x25lbs or 1x50lb carton

## 2.00 INGREDIENT BREAKDOWN

Ingredient	% at Recipe bowl stage	% in Final Product	% Compound Ingredient Breakdown	Variety/Grade	Country Of Origin
Cashew nut		100%		Whole/Broken	Indian/Ivory Coast, Vietnam, Brazil

## 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

During May/June/July shipments there is a higher percentage risk of infestation of Karpa beetles. If infestation is found we would recommend freezing the product before packing.

## 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?		√	



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## 6.00 ORGANOLEPTIC PROPERTIES

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

Appearance: White, light yellow, pale ivory, or light ash grey cashew nuts

Flavour and Aroma: Typical of blanched cashew nuts with no off taints or odours

Texture: Crisp and firm, free from rancid or oily nuts.

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

## 7.00 NUTRITIONAL INFORMATION

Parameter	Value (per 100grams)	Source
Energy Kj / kcal	2471.8/594.89	USDA (modified by Regulation (EU) No 1169/2011)
Fats	43.85	
Of which:	-	
-saturated	7.78	
-monounsaturated	23.79	
-polyunsaturated	7.84	
Carbohydrates	30.19	
Of which:	-	
-sugars	5.91	
-Fibre	3.3	
Protein	18.22	
Minerals		
Salt (g)	0.03	
Calcium (mg)	37	
Iron (mg)	6.68	
Magnesium (mg)	292	
Phosphorus (mg)	593	
Potassium (mg)	660	


## 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

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		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 No
Halal	Yes	Certified No

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 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)	Yes	Yes	Yes	In segregated area
Sesame seeds / sesame seed derivatives	No	No	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.

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## 10.00 CHEMICAL ANALYSIS

Parameter	Specification Limits
Moisture	3-5%
Free Fatty Acids	1% (in the fat, expressed as oleic acid)
Peroxide Value	5 meq peroxide/kg fat
Aflatoxin	Total <4ppb, B1 <2ppb
Heavy Metals	As per EU/UK Legislation
Pesticides	As per EU/UK Legislation

## 11.00 MICROBIOLOGY

Microbes	Typical Levels
Escherichia Coli	<10 cfu/g
Salmonella	Absent in 25gms

## 12.00 Physical Analysis

Physical attributes	Specification	
<b>Serious Damage</b>		
Insect damage	0.5%	
Visible mould/rancidity/decay/adhering matter	0.5%	
Foreign matter (shell, mesocarp, stones, dirt, glass, metal, straw, plastic, hair, paper, threads)	0.05%	
Maximum serious damage	1.0%	
<b>Defects</b>		
2 <sup>nd</sup> quality scorched	Cashew kernels may be yellow, light brown, light ivory, light ash grey or deep ivory	5.0%
3 <sup>rd</sup> quality colour variation	Cashew kernels may be deep yellow, brown, amber, and light to deep blue. They may be shrivelled, immature, speckled, blemished or otherwise discoloured	1.5%
4 <sup>th</sup> quality	Cashew kernels would qualify as First or Second quality, except they have pitted spots	0.5%
Dessert	Cashew kernels may be scraped, shrivelled, blemished or otherwise discoloured	0.5%
Superficial damage		1.0%
Adhering testa		3%
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.		


## 13.00 Count/Size

Size	Per Lb		Sieve Size	Mm
W240	220-240		P1 Large Pieces	4.75mm-8.0mm
W320	300-320			
W450	400-450			
Large Pieces	Visually graded			

## 14.00 SHELF-LIFE

**SHELF-LIFE FROM DATE OF PRODUCTION: 18/24 months depending on origin supplier**

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Please note the product will be safe to use for the duration of the shelf-life after opening, providing they have been stored correctly.

15.00 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.		
<b>COOL STORE</b>	<b>6-10C</b>	
<b>Ambient</b>	<b>Max 20C</b>	
<b>AWAY FROM DIRECT SUNLIGHT</b>	<b>Yes</b>	

16.00 MATERIALS						
Recommended pallet stacking for the product, however this may vary depending on warehouse/haulier						
<b>PALLET</b>						
No of units per layer		Maximum				
No of units per pallet	44	Maximum				
No of units per pallet		Minimum				
Method of pallet security	Shrink Wrap	Shrink-wrap / Pallet-wrap / Banding				
Type of pallet used	Wood					
<b>CONTACT PACKAGING MATERIAL</b>						
Material	Foil Carton	Food Grade	YES	√	NO	
Colour	Silver					
Dimensions						
Weight		g				
Method of closure	Vacuum sealed	Tape / EEC Tape / Stitching				
<b>OUTER PACKAGING MATERIAL</b>						
Material	Cardboard					
Colour	Brown or White					
Grade	Food					
Weight	450/500	G				
Dimensions	335x225x470	Mm				
Method of closure	Tape	Tape / EEC Tape / Stitching				

17.00 SOURCE AND POINT OF MANUFACTURE	
State the country of Manufacture	India, Ivory Coast, Vietnam, Brazil
Is the Product produced and packaged in the suppliers own premises:-	Yes



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### 18.00 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:	13/02/2019
Name: (Buyer)	Michael Stevens
Signature:	<i>MStevens</i>