	Product Specification	Code: RC-005
		Version: 4
		Date: 08.09.15

## FREEWORLD TRADING LIMITED

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PRODUCT DESCRIPTION:	Chia seeds
FWT CODE:	0007
DATE ISSUED:	18 <sup>th</sup> November 2015
REVISION NUMBER:	1

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:	<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:	Technical Manager
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.

Chia seeds packed in 25kg paper bags.

## 2.00 INGREDIENT BREAKDOWN

Ingredient	% at Recipe bowl stage	% in Final Product	% Compound Ingredient Breakdown	Variety/Grade	Country Of Origin
Chia Seeds		100		<i>Salvia hipanica</i>	Paraguay

## 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									
Chia seeds	Solid	12 months	< 18	-	-	-	< 13	4hs, 45°C	GMP

## 4.00 PRESERVATIVES AND PROCESSING AIDS

E. Number	Name	Maximum Limit
N/A		

If processing aid state which process it aids and how.

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## 5.00 SEASONAL VARIATION

Sowing date = January or August. Harvesting date = June or December.

## 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: Mix of grey, brown, black and white small grains

Flavour and Aroma: Characteristic, mild without foreign odours or flavours

Texture: 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	2409.8 / 580.01	USDA (modified by Regulation (EU) No 1169/2011)
Fats	30.74	
Of which:	-	
-saturated	3.33	
-monounsaturated	2.31	
-polyunsaturated	23.66	
Carbohydrates	42.12	
Of which:	-	
-sugars		
Fibre	34.40	
Protein	16.54	
Minerals		
Salt (g)	0.04	
Calcium (mg)	631	
Iron (mg)	7.72	
Magnesium (mg)	335	
Phosphorus (mg)	860	
Potassium (mg)	407	

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 No

It is a novel food, for use in bread with maximum 5%.

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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	N	N	N	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)	N	N	N	In segregated area
Sesame seeds / sesame seed derivatives	N	Y	N	In segregated area
Mustard / mustard products	N	N	N	N
Milk / milk derivatives	N	N	N	N
Egg / egg derivatives / albumen	N	N	N	N
Gluten (i.e wheat, rye, barley, oats, spelt, kamut, or their hybrid strains)	N	Y	N	If stored, it is in segregated area
Soya / Soya derivatives	N	Y	N	If stored, it is in segregated area
Lupin / Lupin derivatives	N	N	N	N
Fish/Fish derivatives	N	N	N	N
Crustaceans	N	N	N	N
Molluscs	N	N	N	N
Sulphur Dioxide and sulphites	N	N	N	In segregated area
Celery	N	N	N	N

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.

11.00 CHEMICAL ANALYSIS	
Parameter	Specification Limits
Moisture	< 13 %
Aflatoxin	Total: < 4ppb, B1: < 2ppb
Pesticides	As per EU/UK legislation
Heavy Metals	As per EU/UK legislation

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


13.00 PHYSICAL ANALYSIS	
Physical attributes	Specification
Purity	99.99 %
Admixture (EVM, foreign seeds)	0.1%
Mouldy Products	Absent
Foreign bodies (hair, glass, metal, hard plastic, live insects, stones)	Absent
Toxic or noxious seeds	Absent
<b>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.</b>	

14.00 COUNT/SIZE		
Size	Per 100g Upper	Per 100g Lower
-	-	-

15.00 SHELF-LIFE
<b>SHELF-LIFE FROM DATE OF PRODUCTION: 12 months</b>
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)	2.5
	Non –Ferrous (mm)	3.5
	Stainless Steel (mm)	3.5

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## 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.

<b>STORE temperature</b>	< 18 °C	
<b>Relative Humidity</b>	< 70 %	
<b>AWAY FROM DIRECT SUNLIGHT</b>	Yes	

## 18.00 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		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	Paper bags	Food Grade	YES	✓	NO	
Colour	Blue/Green					
Dimensions						
Weight						g
Method of closure	Stitching					Tape / EEC Tape / Stitching


### OUTER PACKAGING MATERIAL

Material	N/A	
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	<b>The Netherlands</b>
Is the Product produced and packaged in the suppliers own premises:-	<b>Yes</b>

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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 THE SUPPLIER

NAME:	
POSITION HELD:	
SIGNATURE:	
DATE:	
SUPPLYING COMPANY:	

### FOR AND ON BEHALF OF FREEWORLD TRADING

NAME: (Technical)	Marcela Graziano
POSITION HELD:	Technical Assistant
TECHNICAL SIGNATURE	<i>Marcela Graziano</i>
DATE:	18 <sup>th</sup> November 2015
Name: (Buyer)	
Signature:	

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