

FIRST GRADE INTERNATIONAL LTD	
CONFIDENTIAL PRODUCT SPECIFICATION	
Product name:	10kg Premium Medium Desiccated Coconut (SO2 Free)
Product code:	61.43

Supplier information:	
Supplier name:	First Grade International Limited
Supplier address:	Coconut House, Tay Court, Isidore Road
	Bromsgrove Enterprise Park
	Bromsgrove
	Worcestershire
	B60 3FQ
Phone number:	01564 731980
Fax number:	01527 831904
Email address:	sales@fg-int.co.uk
Third party accreditation held:	BRC agents and brokers accredited (BRC site code: 6973442)
Manufacturer/ packer name:	
	WRIZERFOOD F&B SDN BHD
Manufacturer/ packer address:	Lot 2415, Zon Perindustrian Sungai Sembilang,
	Jalan Keretapi Lama, Selangor
	Malaysia
Manufacturer/ packer health mark (if applicable):	N/A
Manufacturer/ packer third party accreditation held:	FSSC 22000
	Halal certified

Product information:	
Product description:	Desiccated Coconut is deshelled, pared, washed, blanched, grated, dried, sifted and hygienically packed meat of the fresh and mature fruit of coconut (Cocos nucifera)
Ingredients declaration (as would appear on the product label):	Desiccated coconut (100%)
Allergen advice:	For allergens, see ingredients declaration in BOLD
Product providence claims held:	Halal accredited
Country of manufacture:	Malaysia

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Review Date: 27.10.2020	Issued By: A. Karczmarz	Authorised by: M. Jones

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Ingredient:	Compound Ingredients:	Function:	Supplier:	Country of origin:
Desiccated Coconut	N/A		Various accredited sites	Indonesia/ Philippines

Organoleptic standards:		
Criteria:	Target:	Reject:
Appearance:	Dry granular particles, free from foreign material or other physical contaminants	Not dry granular particles with foreign material or other physical contaminants
Colour:	White in colour, free from yellow impurities	Not white in colour, with yellow impurities
Odour:	Typical desiccated coconut, free from sour, chemical or other objectionable odours	Not typical desiccated coconut with sour, chemical or other objectionable odours
Flavour:	Typical desiccated coconut, free from sour flavours	Not typical desiccated coconut with sour flavours
Texture:	Dry granular particles, free from foreign material or other physical contaminants	Not dry granular particles with foreign material or other physical contaminants

Product photographic standards:


Physical standards:					
Criteria:	Unit of measure (example 100g, carton, 1000kg)	Target /Max	Method:	Frequency:	Positive release (yes/no)
Sieve grade size: 3.35mm	100g	0-1% retained on sieve	Sieving/ visual inspection	1 test per day (composite)	Yes
Sieve grade size: 2.5mm	100g	0.5-25% retained on sieve	Sieving/ visual inspection	1 test per day (composite)	Yes
Sieve grade size: 1.70mm	100g	10-45% retained on sieve	Sieving/ visual inspection	1 test per day (composite)	Yes
Sieve grade size: 1mm	100g	35-70% retained on sieve	Sieving/ visual inspection	1 test per day (composite)	Yes
Sieve grade size: <1mm	100g	5-20% retained on sieve	Sieving/ visual inspection	1 test per day (composite)	Yes
Foreign bodies	100g	Absent	Sieving/ visual inspection	Every production run	Yes
Black specs	100g	10pcs/100g max	Sieving/ visual inspection	Every production run	Yes

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Chemical standards:					
Criteria:	Target & Max	Method:	Number of samples:	Frequency:	Positive release (yes/no)
Moisture	<3.8%	(Oven drying) AOAC 925.40	1 sample per 2 hours	1 test per day (composite)	Yes
Total fat	58% (+/-2%)	(Extraction) – AOAC 2003.06	1 sample per 2 hours	1 test per day (composite)	Yes
Free Fatty Acids (as Lauric)	<0.3%	(Titration) – AOCS Ca 5a-40, 3 rd Edition 1980	1 sample per 2 hours	1 test per day (composite)	Yes
pH	5.5 – 6.5	ph Meter In-house method	1 sample per 2 hours	1 test per day (composite)	Yes
Sulphur Dioxide	10ppm max	Johnson and Ponting method	1 sample per 2 hours	1 test per day (composite)	Yes

Mycotoxins Standards:					
Criteria:	Target / Max	Method:	Number of samples:	Frequency:	Positive release (yes/no)
Aflatoxin	<4ppb	(Vicam) – AOAC 991.31 17 TH Edition 2000	1 sample	Annual	No

Microbiological standards:					
Product commercially sterile					Yes/ No
Criteria:	Target / Max	Method:	Number of samples:	Frequency:	Positive release (yes/no)
Aerobic colony count	<5,000 cfu/g max	AOAC 990.12	1 sample per 2 hours	Every sample	Yes
Coliform	<100 cfu/g max	AOAC 2003.01	1 sample per 2 hours	Every sample	Yes
Yeasts	<100 cfu/g max	AOAC 2014.05	1 sample per 2 hours	Every sample	Yes
Moulds	<100 cfu/g max	AOAC 2014.05	1 sample per 2 hours	Every sample	Yes
Salmonella spp	Absent in 25g	Rapid Check Select Salmonella Food System Performance tested license number, 080601	1 sample per 2 hours	4 samples composite into 1 test	Yes
Escherichia coli	Absent in 25g	AOAC 991.14	1 sample per 2 hours	Every sample	Yes
Staphylococcus aureus	Absent in 25g	AOAC 975.55	1 sample per 2 hours	Every sample	Yes
Laboratory used:	Microsearch				
Laboratory accreditation:	UKAS accredited				

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Heavy metals:					
Criteria:	Target / Max	Method:	Number of samples:	Frequency:	Positive release (yes/no)
Arsenic	<0.10mg/kg	UKAS accredited Method	1	Annual	N
Lead	<0.10mg/kg	UKAS accredited Method	1	Annual	N
Mercury	<0.02mg/kg	UKAS accredited Method	1	Annual	N
Copper	<20mg/kg	UKAS accredited Method	1	Annual	N
Cadmium	<0.050mg/kg	UKAS accredited Method	1	Annual	N
Laboratory used:	Campden BRI				
Laboratory accreditation:	ISO17025		Legislation levels set for Cadmium and Lead are for fresh fruit. Arsenic, Mercury and Copper are for guidance only.		

Agrochemicals – Pesticides		
Criteria:	Frequency	Target & Max
Multi-screen analysis	1 sample (composite) annually	Confirms to EU/ UK regulations
Laboratory used:	ALS Laboratories	
Laboratory accreditation:	UKAS Accredited	

Nutritional standards:			
Criteria:	Typical value (per 100g/ 100ml):	Method:	Frequency:
Energy (kJ)	2620	Analytical	Annual
Energy (kcal)	636	Analytical	Annual
Fat (g)	58.3	Analytical	Annual
- Of which saturates (g)	52.0	Analytical	Annual
-monounsaturates (g)	3.3	Analytical	Annual
-polyunsaturates (g)	0.5	Analytical	Annual
Total Carbohydrates (g)	31.6	Analytical	Annual
Available carbohydrates	5.2	Analytical	Annual
-Of which sugars (g)	11.1	Analytical	Annual
Total dietary fibre (g)	20.5	Analytical	Annual
Protein (g)	6.6	Analytical	Annual
Total sodium (mg)	18.3	Analytical	Annual
Salt (g)	0.05	Calculated	Annual
Ash (g)	1.60	Analytical	Annual
Moisture (g)	1.9	Analytical	Annual
Source of theoretical data:	N/A		
Laboratory used for analytical data:	Campden BRI		
Laboratory accreditation.	ISO17025		

Metal detection / Product protection:	
Metal detection used:	Yes
Position:	Post packing
Metal detector rejection mechanism type:	Belt stop and visible/audible alarm
Metal detector sensitivity:	Ferrous: 3.0mm Non-ferrous: 3.5mm Stainless steel: 4.5mm
Metal detector check frequency:	Start of product run; every hour during product run; end of product run; following breakdowns

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Magnet:	
Magnet used:	Yes
Position:	After grinding
Minimum pull strength:	9000 Gauss
Magnet check frequency:	Start and end of production

Sieving:	
Sieving used:	Yes
Position:	Before discharging into mixer
Mesh size:	5mm
Sieve integrity check frequency:	Start and end of production
Sieve finds check frequency:	N/A


Filtration:	
Filtration used:	No
Position:	
Mesh/ pore size:	
Filter integrity check frequency:	

Packaging information:	
Primary packaging type:	HDPE blue liner
Primary packaging colour:	Blue
Primary packaging dimensions:	Length: 710mm ±15mm Width: 724mm ±13mm
Primary packaging gauge:	Thickness: 90 microns ±6microns
Primary packaging weight:	50g
Primary packaging closure method:	Heat sealed
Primary packaging supplier name:	Chiga Light Industries Sdn Bhd
Primary packaging supplier third party accreditation held:	ISO 22000:2005, ISO 9001:2008, GMP, HACCP, ISO 18001, ISO14001
Primary packaging suitable for recycling:	No
Primary packaging material food grade:	Yes
Secondary packaging type:	Brown food grade corrugated cardboard box
Secondary packaging colour:	Brown
Secondary packaging dimensions:	Length: 340mm Width: 204mm Height: 340mm
Secondary packaging weight:	768g
Secondary packaging closure method:	Sealed with blue tape
Secondary packaging suitable for recycling:	Yes
Secondary packaging supplier name:	OPS Paper Products SDN BHD
Secondary packaging supplier third party accreditation held:	ISO 9001:2008, ISO14001:2015
Quantity per unit:	1
Declared minimum net weight:	10kg
Average weight:	Target weight: N/A T1: T2:

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Product label information (if applicable):	
Primary packaging label information:	N/A
Label location:	N/A
Secondary packaging label information:	White adhesive label Product name and code Production date Expiry date Carton number Weight Product of Malaysia First Grade Desiccated Coconut
Label location:	Printed on largest face
Preparation instructions as would appear on the product label (if applicable):	
N/A	
Warnings as would appear on the product label (if applicable):	
N/A	

Packaging and labels photographic standards:	
Packaging standard:	Label Standard:
<p>Premium Medium Desiccated Coconut (Sulphur Dioxide Free)</p> <p>Carton number: Refer Carton FGI Contract number: 79585 Product Code: 61.43 Production date: DD/MM/YYYY Best before date: DD/MM/YYYY Batch number: BDDMMYY 24 months</p> <p>The shelf life of the product is unaffected assuming that the bag is resealed and stored under suitable conditions.</p> <p>Specially manufactured for First Grade International Ltd By <u>Wrizerfood F&B Sdn Bhd</u> Malaysia</p>	

Pallet information:	
Pallet type:	Wooden 1200x1000
Units per layer:	12
Layers per pallet:	4
Units per pallet:	48
Pallet closure method:	Pallet cover, top cover secured with stretch wrap
Label information:	Product code, description and FGI batch number

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Storage conditions and shelf-life information (ambient / frozen)	
Storage conditions (unopened):	The product shall be stored below 18°C for optimum shelf-life
Storage conditions (opened):	The product shall be stored below 18°C for optimum shelf-life
Maximum shelf-life (unopened):	Production date + 24 months
Maximum shelf-life (opened):	Production date + 24 months if resealed and store accordingly
Minimum life into customer:	12 months
Suitable for freezing:	No
Storage conditions once defrosted:	N/A
Shelf-life once defrosted:	N/A

Meat species information:				
Criteria:	The product is free from	The factory is free from	The production is line free from	Comments / Controls in place:
Beef and products their of	Yes	Yes	Yes	N/A
Lamb and products their of	Yes	Yes	Yes	N/A
Pork and products their of	Yes	Yes	Yes	N/A
Chicken and products their of	Yes	Yes	Yes	N/A
Horse and products their of	Yes	Yes	Yes	N/A
Mechanically recovered meat	Yes	Yes	Yes	N/A

Allergen information:				
Criteria:	The product is free from	The factory is free from	The production is line is free from	Comments/ Controls in place:
Cereals containing gluten (Wheat, Rye, Barley, Oats, Spelt, Kamut) and products thereof	Yes	Yes	Yes	N/A
Eggs and products thereof	Yes	Yes	Yes	N/A
Fish and products thereof	Yes	Yes	Yes	N/A
Crustaceans and products thereof	Yes	Yes	Yes	N/A
Peanuts and products thereof	Yes	Yes	Yes	N/A
Nuts (Almond, Hazelnut, Walnut, Cashew, Pecan, Macadamia, Queensland) and products thereof.	Yes	Yes	Yes	N/A
Soya beans and products thereof	Yes	Yes	Yes	N/A
Milk and products thereof (including Lactose)	Yes	Yes	Yes	N/A
Molluscs and products thereof	Yes	Yes	Yes	N/A
Lupin and products thereof	Yes	Yes	Yes	N/A
Celery and products thereof	Yes	Yes	Yes	N/A
Mustard and products thereof	Yes	Yes	Yes	N/A
Sesame seeds and products thereof	Yes	Yes	Yes	N/A
Sulphur dioxide and sulphite (>10ppm)	Yes	No	Yes	Validated allergen control measures in place

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Dietary information:		
Criteria:	The product is suitable for?	Comments:
Vegetarians	Yes	No meat species contained in product
Lacto-ovo vegetarians	Yes	No meat species contained in product
Vegans	Yes	No milk or related residues are handled on site
Nut allergy sufferers	Yes	No nuts/ nut oils or related residues are handled on site
Coeliac	Yes	No wheat-gluten are handled on site
Halal	Yes	Halal certified
Kosher	No	Not certified

Ionising radiation (irradiation) information:		
Criteria:	Yes/ No	Comments if applicable:
The product or ingredients are subjected to ionising radiation.	No	N/A

Fumigation information:		
Criteria:	Yes/ No	Details of fumigation
The product is subjected to fumigation.	No	

Palm oil information:		
Criteria:	Yes/ No	Comments:
The product and any of its ingredients contain palm oil and products thereof	No	
RSPO certification	N/A	Details of certification

Acrylamide information:		
Acrylamide is a chemical substance formed when starchy foods, such as potatoes and bread, are cooked at high temperatures (above 120°C).		
Criteria:	Yes/ No / N/A	Details of testing
This product is susceptible and tested to monitor levels of acrylamide.	No	

Genetically modified material information:		
Criteria:	Yes/ No?	Comments:
This product and any of its ingredients are free from genetically modified material.	Yes	
This product and any of its ingredients are free from any changes as a result of genetic modification.	Yes	
This product and ingredients are free from processing aids, additives or flavourings that have been subjected to genetic modification.	Yes	
This product and ingredients are free from material made using genetically modified derived enzymes and cultures approved in the UK for food use.	Yes	
The product is tested to verify the absence of genetically modified material.	No	If yes testing details.

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Illegal food dyes and non-permitted food colours information:		
<ul style="list-style-type: none"> Chilli powder; Cayene pepper; Crushed dried chillies; Curry powder; Paprika and Turmeric cannot contain the following illegal food dyes: Sudan I – IV; Butter yellow; Metanil yellow; Sudan red b; Sudan red 7b; Orange red g; Rhodamine b; Orange II; Para red; Toluidine red and Sudan Red G Spices cannot contain the following non-permitted food colours: Annatto; Bixin and Norbixin 		
Criteria:	Yes/ No?	Comments:
This Product or ingredients contain chilli powder, chilli mixes; curry powder; paprika and turmeric.	No	

Food intolerance data:		
Ingredients:	This product is free from	Comments:
Preservatives	Yes	
Antioxidants	Yes	
Colours	Yes	
Flavours	Yes	
Genetically modified materials	Yes	
Yeast	Yes	
Vegetable oil	Yes	
Corn and products their of	Yes	
Maize and products their of	Yes	
Soya and products there of	Yes	
Milk and products their of	Yes	
Nut oil and products their of	Yes	
Peanut oil and products their of	Yes	
Salt and salt replacers	Yes	
Sugar	Yes	
Benzoates	Yes	
Butylated hydroxyanisole	Yes	
Butylated hydroxytoluene	Yes	
Caffeine	Yes	
Caramel	Yes	
Cinnamon	Yes	
Cocoa and products their of	Yes	
Coconut and products their of	No	
Coriander	Yes	
Fruit and products their of	Yes	
Garlic	Yes	
Gelatine	Yes	
Histamine	Yes	
Hydrolysed vegetable protein	Yes	
Hydrolysed vegetable oil	Yes	
Legumes and pulses	Yes	
Monochloropropanols	Yes	
Monosodium glutamate and products their of	Yes	

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Phenylalanine	Yes	
Polyols (including sorbitol)	Yes	
Seed oil	Yes	
Sunflower or cotton seeds	Yes	
Chilli powder	Yes	
Cayene pepper	Yes	
Crushed dried chillies	Yes	
Cayenne	Yes	
Curry powder	Yes	
Paprika	Yes	
Turmeric	Yes	

Health and safety information: see health and safety data sheets which are available on request from our Technical Department.
Technical@fg-int.co.uk

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Warranty statement:	
First Grade International Limited warrants that the product, the manufacturing premises and distribution facilities will comply in every respect with the provisions of existing legislation and statutes, of either the United Kingdom or EC origin, and all regulations, statutory instruments, directives, orders, decisions or any other requirements made thereunder, which relate to, or control the nature, substance, quantity, quality, fitness for purpose, packaging, packing, labelling, sale, offering for sale, use, marking, traceability, constitution, importation, exportation, transportation, possession, dealing, make-up or trade description of such goods.	
First Grade International Limited is responsible for informing the customer of any proposed changes in the specification (e.g. formulation, manufacturing procedures or packaging materials etc.).	
First Grade International Limited is responsible for ensuring that all products, as far as is reasonably possible, are manufactured in accordance with the specification, where there is a deviation that they inform the customer of this in advance of shipping the goods.	
The product shall be manufactured at all times to the best practice reasonably available in the industry, and where this cannot be achieved this should be highlighted to the customer, and in this respect is responsible with keeping up-to- date with all regulations in force in Europe as it relates to the specific product and in general.	
Signed on behalf of First Grade International Limited	
Technologist	
Print name:	Robert Turner
Position:	Senior Technologist
Sign:	
Date:	
Senior Departmental Manger / Deputy Technical Manager	
Print name:	Melanie Jones
Position:	Senior Departmental Manager
Sign:	
Date:	24.11.2020

Specification amendment history:		
New version:	Date:	Reason(s) for amendment:
1		New Product Specification
2	04/01/2018	Product testing amendments
3	18/11/2019	Updated factory contact details
4	17/02/2020	Moisture amendment 3.00-3.50% to 3.00-3.80%
5	19/11/2020	new specification format, amendment to allergen information

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