

FIRST GRADE INTERNATIONAL LIMITED

Coconut House, 15 Aston Court, George Road,
Bromsgrove. Worcestershire. B60 3AL

Tel 01564 731980 Fax 01527 831904

| | | | |
|------------------|--|----------------------|-------------------|
| PRODUCT | MEDIUM DESICCATED COCONUT | PRODUCT CODES | MULTI CODE |
| ISSUE NO. | 18 | ISSUE DATE | 04.07.2013 |

PRODUCT SPECIFICATION

PRODUCT DESCRIPTION

Medium Desiccated Coconut is the de shelled, pared, washed, milled, blanched, dried, sifted and hygienically packed meat of the fresh and mature fruit of Coconut.

(Scientific name: Cocos Nucifera. L

All materials supplied by First Grade International Ltd shall be wholesome in texture and flavour and conform to the requirements of all UK food safety and labelling regulations

INGREDIENTS

Desiccated Coconut – 99.995

Sulphur Dioxide 0.005% E220 – 50ppm max (applied at source)

* Sulphur Dioxide is used as a preservative, to help prevent discolouration / yellowing.

ORGANOLEPTICAL DETAILS

| | |
|----------------------|--|
| Appearance & Texture | Dry granular particles |
| Colour | White, free from yellow specks or other discolourations |
| Flavour & odour | <i>Mild & sweet characteristics of Coconut, free from flavours and odours.</i> |

MANUFACTURING SITE

P.T. RIAU SAKTI UNITED PLANTATIONS-INDUSTRY

Desa Pulau Burung Kec. Pulau Burung

Inhil, Riau

Indonesia

29256

SITE ACCREDITATION

FSSC 22000

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PHYSICAL ANALYSIS

| | TARGET | MAXIMUM LEVEL |
|-----------------------|---------------|-----------------------|
| Coconut husk / Fibres | Nil | 2 pieces per 100g max |
| Foreign bodies | Nil | Nil |

| Grade Size | Method & Frequency U.S. Std Testing Sieves using Ro-tap Shaker for 5 minutes Checked hourly | |
|-------------------|--|--|
| No of Sieves | % Retained on | |
| Mesh 6 (3.5mm) | 0-1 | |
| Mesh 10 (2mm) | 2-25 | |
| Mesh 12 (1.70mm) | 15-32 | |
| Mesh 14 (1.40mm) | 28-39 | |
| Mesh 16 (1.18mm) | 16-28 | |
| Mesh 20 (0.85mm) | 4-18 | |
| Pan | 1-6 | |

CHEMICAL ANALYSIS

| TEST | RANGE | METHOD |
|---|---|--|
| Moisture | 3% max | SNI 01-2891-1992 (Oven drying) |
| Aflatoxin | 4ppb | QWI FD /FC51, 03 By HPLC Method |
| Total Fat (Dry basis) | 65±5% | SNI 01-2891-1992 Soxhlet extraction |
| Free fatty Acids (as lauric) Dry basis | 0.15 as Oleic Acid (Dry basis) % 0.10 as lauric Acid (Dry basis) % | AOCS Official Method Ca 5a-40, Reapproved 2009 (Titration) |
| pH (10% Dispersion) | 6.1-6.7 | AOAC 970.21, 18 th Edition, revision 2 nd , 2007 (pH meter) |

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PESTICIDES & HEAVY METAL TESTING

| | |
|---|---|
| Pesticides | Heavy metals |
| Organophosphorus & Organochlorines | Lead, Cadmium, Mercury, Arsenic, Copper, Zinc |
| Method AOAC 970.52 Frequency – Every two years | Method TES-AC-686 UKAS Frequency – Every two years |

MICROBIOLOGICAL ANALYSIS

| | | <i>METHODOLOGY</i> |
|-------------------|---------------------|---|
| TVC | 5,000 cfu/g maximum | SNI 19-2897-2008 Plate count 34 - 36°C for 48 hrs |
| Coliforms | 10 cfu/g | Plate count 35-37°C 18-24 hrs RSUP-LQS-011 (Ref. Compendium of Methods for The Microbiological Examination of Foods 4th Edition, 2001 |
| Yeasts | 50 cfu/g | Plate count, 22-26°C for 72 hrs RSUP-LQS-010 (Ref. FDA Bacteriological Analytical Manual, 8 th Edition, revision A, 2011) |
| Moulds | 50 cfu/g | Plate count, 22-26°C for 72 hrs RSUP-LQS-010 (Ref. FDA Bacteriological Analytical Manual, 8 th Edition, revision A, 2011) |
| Salmonella | Absent in 25g | Detection; streaked plate incubated 35-37°C for 18-24 hrs AOAC 967.26, 18th Edition, revision 2 nd , 2007 |
| EColi | Absent in 10g | Compendium of Methods for the Microbiological Examination of Foods, 4th ed.. 2001 |

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METAL DETECTION

| | | | |
|--|-----------------------|-------|--|
| Metal Detection Details | Line 1 & 2 | | |
| | Ferrous | 3.5mm | Functionality check is carried out start, hourly and end of shift. |
| | Non Ferrous | 6.0mm | |
| | Stainless Steel | 4.5mm | |
| | Line 3 | | |
| | Ferrous | 3.2mm | |
| | Non Ferrous | 5.0mm | |
| | Stainless Steel | 6.0mm | |
| Sieve Size Details: | Grading purposes only | | |
| In line rare earth magnets - Magnet strength 2875 gauss Magnets are inspected hourly | | | |

PACK SIZES, PACKAGING & CLOSURE

| | | | | |
|---|-------------|----------------------------|---|--|
| Inner – Blue Polythene liner, thickness. | | | | |
| Outer – Kraft paper bag | | | | |
| Closure- Bottom, Rayon / cotton thread, Top – crepe paper strip, 25.4mm wide sewn with Rayon / cotton thread. | | | | |
| <i>Pack size</i> | <i>code</i> | <i>Packaging weight</i> | <i>Inner</i> | <i>Outer</i> |
| 10kg | 61.24 | Liner – 66g Sack – 164g | L846± 6mm x W500 ± 3mm thickness 0.06 | L725 ± 5mm x W415mm ± 5mm x gusset 75mm ± 5mm |
| 25kg | 61.23 | Liner – 97g Sack – 258g | L935 ± 5mm x W655± 5mm thickness 0.076 ± 0.002mm | L850 ± 5mm x W460mm ± 5mm x gusset 180mm ± 5mm |

LABELLING

| | |
|-------|---|
| Inner | Not applicable to this product |
| Outer | A production date code is marked printed on each bag, example 22011133. 2 = factory code, 20 = day, 11 = month, 13 = year, 3 = dryer number. Each bag has an individual serial number, example 0235 Expiry date -24 months from date of manufacture The shelf life of the product is unaffected assuming that the bag |

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is resealed and stored under suitable conditions

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NUTRITIONAL INFORMATION

| g/100g Sample | | | |
|----------------------------------|-------|---------------------------------------|-------|
| Moisture | 2.6 | Protein (Nitrogen x 6.25) AM081 | 7.5 |
| Total fat | 65.4 | Ash (AM007) | 2.4 |
| Of which saturates | 58.4 | Sodium (AM 078) | 0.075 |
| Cis Monosaturates | 3.7 | Total Carbohydrate (by difference) | 22.1 |
| Trans Monounsaturates | <0.1 | Available Carbohydrate | 9.2 |
| Cis – cis Polyunsaturates | 0.5 | Of which sugars | 5.3 |
| Trans Polyunsaturates | <0.1 | Dietary Fibre (Englyst) | 12.9 |
| Non Fatty Acid content Factor | 0.956 | | |
| Total Energy Kcal | 707 | | |
| Total Energy KJoules | 2923 | | |

Nutritional analysis carried out by UKAS Accredited laboratory.

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PRODUCT SPECIFICATION

Intolerance data – Major allergens

| Free from | Yes | No | Used on site | Comments |
|---|-----|----|--------------|----------|
| CEREALS CONTAINING GLUTEN Wheat; Rye; Barley; Oats; Spelt; Kamut | Yes | | No | |
| CRUSTACEANS | Yes | | No | |
| MOLLUSCS | Yes | | No | |
| EGGS Egg and Egg Derivatives | Yes | | No | |
| FISH | Yes | | No | |
| PEANUTS | Yes | | No | |
| MILK Cow's Milk and Milk Derivatives Goat's/ewe's/buffalo Milk | Yes | | No | |
| NUTS To include Almond; Hazelnut Walnut : Cashew ; Pecan nut Brazil nut; Pistachio nut; Macadamia nut and Queensland nut | Yes | | No | |
| SOYA Including derivatives such as oils Proteins and fermented products | Yes | | No | |
| SESAME Including derivatives | Yes | | No | |
| CELERY AND CELARIAC Including derivatives such as Celery salt | Yes | | No | |
| MUSTARD Mustard Seed; flour; Oil and | Yes | | No | |

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| other derivatives | | | | |
| SULPHITES/ SULPHUR DIOXIDE | No | | Yes | 50ppm max |
| LUPIN (and derivatives) | Yes | | No | |

Intolerance data – Section 2

| Free from | Yes | No | Used on site | Comments |
|-------------------------------------|-----|----|--------------|--------------------|
| Beef/Beef Derivatives | Yes | | No | |
| Lamb/Mutton Derivatives | Yes | | No | |
| Pork/Pork Derivatives | Yes | | No | |
| Poultry /Poultry Derivatives | Yes | | No | |
| Regular Maize and Derivatives | Yes | | No | |
| Waxy Maize | Yes | | No | |
| Modified starch | Yes | | No | |
| Potato and Potato Derivatives | Yes | | No | |
| Fruit and fruit Derivatives | | NO | | Coconut is a fruit |
| Vegetable and vegetable Derivatives | Yes | | No | |
| Seeds and Derivatives | Yes | | No | |
| Non Natural Sweeteners | Yes | | No | |
| Glutamates | Yes | | No | |
| Yeast and Yeast Derivatives | Yes | | No | |
| Alcohol | Yes | | No | |
| Honey | Yes | | No | |
| Garlic | Yes | | No | |
| Caffeine | Yes | | No | |
| Aspartame | Yes | | No | |

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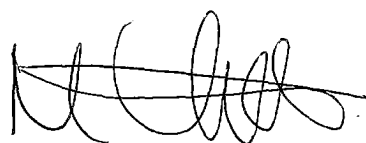
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|--|--|--|-----|------|
| Anti-Oxidant excluding BHA/BHT | Yes | | No | |
| BHA/BHT | Yes | | No | |
| Artificial Colours | Yes | | No | |
| AZO and Cold Tar Dyes | Yes | | No | |
| Natural Colours | Yes | | No | |
| Flavourings | Yes | | No | |
| Hydrogenated Fats/oils | Yes | | No | |
| Preservatives | No | | Yes | E223 |
| Benzoates | Yes | | No | |
| Nitrates or Nitrites | Yes | | No | |
| Sorbates | Yes | | No | |
| Phenylalanine | Yes | | No | |
| Suitable for Vegans | Yes | | | |
| Suitable for Ovo-Lacto Vegetarians | Yes | | | |
| Suitable for Ovo-Lacto Vegetarians? | Yes | | | |
| Suitable for a Kosher diet | Yes | | | |
| Suitable for a Halal Diet | Yes | | | |
| Suitable for Coeliacs | Yes | | | |
| GM status | Historically there has been no GM work carried out on Coconut. | | | |
| This product is not subject to irradiation or contain irradiated materials | | | | |

Authorised By:-



Review Date: 01.05.2013

Next Review Date: 01.05.2015

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