|  | **PRODUCT SPECIFICATION** **FD Mango Powder** |
| --- | --- |
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**1. Product Information**

| **Name**  | FD (Freeze Dried) Mango Powder |
| --- | --- |
| **Country of Origin**  | China |
| **Profile**  | Variety – Various, but only as accepted and approved by Integrity Foods. |
| **Composition**  | 100% Mango |
| **Production Description** | Derived from fresh or frozen, clean, ripe, peeled and cored mango, cut, freeze dried, sorted and milled / sieved into a fine powder before being packed. The product is free from any further additives or preservatives. |
| **Quality Declaration**  | The product is handled, packed and stored under the manufacturing practices and processes of HACCP, GFSI Certified Standards and produced in compliance with the specified requirements of the Product Specification. |

**2. Physical Appearance & Tolerance**

| **Parameters**  | **Requirements/ Tolerance** |
| --- | --- |
| Colour  | Light to Rich Yellow |
| Cut Type  | Powdered |
| Aroma  | Typical Characteristics of Mango |
| Taste  | Typical Characteristics of Mango |
| Texture  | Fine powder |
| Sieve Size  | 5% (+/-) 80 Mesh |
| Moisture (g/100g)  | Max 5% |
| Clumping (more than 3 pieces)  | < 2% clumps |
| Organoleptic defects  | Free from off taste or smell |
| Endogenous foreign matter – Leaves / Stalks  | 1% in 10Kg |
| Exogenous foreign matter – Insects / Larvae / worms  | Nil |
| Foreign matter – wood, glass, metal, stone, plastic  | Nil |

**3. Size & Grade**

|  |  |
| --- | --- |
| Size  | Fine powder |

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**4. Microbiological Limits**

| **Parameters**  | **Unit**  | **Limits** |
| --- | --- | --- |
| TPC  | cfu/ g  | < 100,000 |
| Yeast  | cfu/ g  | < 1,000 |
| Mould  | cfu/ g  | < 1,000 |
| Coliforms  | cfu/ g  | < 100 |
| E Coli  | cfu/ g  | < 10 |
| *Staphylococcus Aureus*  | cfu/ g  | < 50 |
| *Salmonella*  | in 25 g  | Negative |
| *Listeria Monocytogenes*  | in 25 g  | Negative |
| *Complies with EU Regulation 2073/2005 (As retained in UK law before 23:00 on 31 December 2020)* |

**5. Production Control**

| **X-Ray** | To detect and reject test pieces, Metal Ball: 0.7mm, Glass Ball: 1.5mm & Ceramic Ball: 1.0mm, Non-Fe: 4.0mm & SUS 0.3\*2mm, before being packed |
| --- | --- |
| **Magnetic Separation**  | Magnetic force <10,000Gs, before being packed |
| **Metal Detection**  | Detector to reject test pieces, Ferrous: 0.8mm, Non-ferrous: 1.2mm & Stainless steel: 1.2mm, before being packed. |
| **Weight Control**  | Weighting tolerance – N/A. Minimum Net Weight as per Specification and carton label. |

**6. Nutritional**

| **Nutritional Values\***  | *Average per 100 g* |
| --- | --- |
| Energy (Kj/Kcal)  | 1702 Kj / 403 Kcal |
| Total Fat (g)  | 4.5g |
| Carbohydrates (g)  | 81g |
| Of which Sugar (g)  | 78.7g |
| Fibre (g)  | 8.3g |
| Protein (g)  | 5.3g |
| Sodium (mg)  | 30.3mg |

*\*This nutritional disclaimer notifies that under no circumstances will Integrity Foods be responsible for any loss, damage or liability resulting from your reliance on nutritional information given. The approximate nutritional values given are only to be used as guidance.*

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**7. Packaging Items and Labelling –**

• **Packaging Items**: All packaging items to be agreed with Customers prior to production.

| **Items**  | **Properties** |
| --- | --- |
| Cases  | Clean first use, food safe, rigid corrugated cardboard cartons  |
| Inner Packs  | Clean, first use, food grade Silver Foil bags (Heat Sealed) |
| Tape seal  | Brown / Blue, self-adhesive tape – No staples |
| Label  | One per case |
| Pallet | Unless specifically agreed otherwise – Standard first use industrial wooden (100x120cm) or euro (80x120cm), clean, free from damage and foreign materials |
| Pallet wrap  | All pallets are wrapped, Max hight tbc |
| Weight per case/unit  | 10kg Net weight Carton (5 x 2kg Bags / 1 x 10Kg Bag) |
| Number of cases per pallet  | tbc |
| *Complies with related EU legislations, in particular EU Regulation 1935/2004.* *(As retained in UK law before 23:00 on 31 December 2020)* |

**7.1 Label Detail:** Each Carton – Pre-Approval required.

• **Name of Product :** As per Specification Product Description

• **Material Number :** Customer Specific

• **Raw Material Origin :** Country

• **Batch No : 0000**

• **Production Date :** DDMMYY

• **Best Before Date :** DDMMYY

• **Net weight : X** Kgs

• **Gross Weight : X** Kgs

• **Manufacturer/ Packer :** Name

• **Imported By :** Integrity Foods Ltd

• **Item Code :** 17 Digit IF Code

**8. Shelf-Life & Storage Conditions**

• **18 months from production date if stored in original sealed packaging.**

• **Storage and transportation at ambient level**

• **Store at appropriate temperature, in a clean and dry environment, away from direct sunlight and strong odours.**

• **The means of transport must ensure hygiene conditions and guarantee integrity and quality of the produce.**

• **Product shall be protected from weather, condensation, dust, infestation and any other contamination elements.**

• **Rotate stocks to use oldest first.**

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**9. Consumer Group & Intended Use**

• **Edible – For general consumer consumption, predominantly as an ingredient.**

**10. Regulatory Declarations**

| **Pesticides**  | Pesticide detected residues comply with the legislative maximum levels (MRL’s) of (EC) No 396/2005 |
| --- | --- |
| **Total Heavy Metal**  | The product complies with legislative maximum levels in accordance with (EC) No 1881/2006 |
| **GMO**  | The product is free from any GMO material in accordance with EU legislation (EC) No 1829 & 1830/2003 |
| **Allergen** | The final product does not contain any allergen; neither used as an ingredient, nor produced on same line with current EU allergens, and complies with (EC) regulation No 1169/2011. |
| **Palm Oil** | Producers supplying products containing Palm Oil must confirm certification status of Palm Oil and RSPO certification status with thier Palm Oil supply chain. |
| *Related EU legislations (As retained in UK law before 23:00 on 31 December 2020)* |

| **Alergens:-When purchased in bulk size original packaging, manufacturer allergen policy will apply.****When purchased in quantities that need re-packaging, our allergen policies will apply.** |
| --- |
| **Component** | **Manufacturer** | **Nuts in Bulk****( Applies when bought in small quantities that need re-packaging )** |
| **In Product** | **Processed in****Same Equipment** | **Handled on Site** | **In Product** | **Processed in Same Equipment** | **Handled on Site** |
| Cereals containing GLUTEN and products thereof | NO | NO | NO | NO | **YES** | **YES** |
| EGGS or its derivatives | NO | NO | NO | NO | NO | NO |
| FISH or its derivatives | NO | NO | NO | NO | NO | NO |
| CRUSTACEANS / SHELLFISH | NO | NO | NO | NO | NO | NO |
| MOLLUSCS | NO | NO | NO | NO | NO | NO |
| PEANUTS or derivatives | NO |  NO | NO | NO | **YES** | **YES** |
| SOYA BEANS or derivatives | NO | NO | NO | NO | **YES** | **YES** |
| MILK (LACTOSE) or its derivatives | NO | NO | NO | NO | **YES** | **YES** |
| NUTS , tree nuts: | NO | NO |  NO | NO | **YES** | **YES** |
| CELERY, including celeriac and its derivatives | NO | NO | NO | NO | **YES** | **YES** |
| MUSTARD, referring to all parts of the plant and derivatives thereof | NO | NO | NO | NO | **YES** | **YES** |
| SESAME SEEDS or derivatives | NO | NO | NO | NO | **YES** | **YES** |
| SULPHITES >10ppm – Sulphite quantity to be given in ppm | NO | NO | NO | NO | **YES** | **YES** |