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|  | PRODUCT SPECIFICATION FD Blueberry Whole | | | | |
| | Document No | Issued Date | Rev. No | Rev. Date | Page No |
| | IF 01-018 | 31.07.2024 | 08 | 31.07.2027 | 1 / 4 |

1. Product Information

| | |
|-------------------------------|---|
| Name | FD (Freeze Dried) Blueberry Whole |
| Country of Origin | Argentina, Canada, Chile, China, Germany, Morocco, Netherlands, Peru, |
| Profile | Various Varieties – Typical of Vaccinium Corymbosum (wild) & Cyanococcus (cultivated), but only as accepted and approved by our supplier. |
| Composition | 100% Blueberry |
| Production Description | Derived from freshly frozen, ripe, clean, whole IQF blueberries, freeze dried and sorted 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 | Typical of Blueberry |
| Cut Type | Whole |
| Aroma | Characteristics of Blueberry |
| Taste | Characteristics of Blueberry |
| Texture | Free flowing pieces, Crisp not Soft |
| Moisture | Max 5% |
| Clumps (more than 3 pieces) | Max 5% by Weight |
| Discoloured Pieces | Max 5% by Weight |
| Broken (pieces less than half) | 10% by Weight |
| Organoleptic defects | Free from off taste or smell |
| Endogenous foreign matter – Leaves / Stalk | <0.5% |
| Exogenous foreign matter – Insects / Larvae / worms | Nil |
| Foreign matter – wood, glass, metal, stone, plastic | Nil |

3. Size & Grade

| | |
|------|--------------|
| Size | Whole pieces |
|------|--------------|



PRODUCT SPECIFICATION FD Blueberry Whole

| Document No | Issued Date | Rev. No | Rev. Date | Page No |
|-------------|-------------|---------|------------|---------|
| IF 01-018 | 31.07.2024 | 08 | 31.07.2027 | 2 / 4 |

4. Microbiological Limits

| Parameters | Unit | Limits |
|------------------------------|---------|----------|
| TVC | cfu/ g | < 50,000 |
| Yeast | cfu/ g | < 1,000 |
| Mould | cfu/ g | < 1,000 |
| Coliforms | cfu/ g | < 100 |
| E Coli | cfu/ g | < 10 |
| <i>Staphylococcus Aureus</i> | cfu/ g | < 50 |
| <i>Salmonella</i> | in 25 g | Negative |
| <i>Norovirus</i> | | Absent |

Complies with EU/ UK/ FDA Regulations; country of delivery


5. Production Control

| | |
|--------------------------|---|
| X-Ray | To detect and reject test pieces. Ferrous: 2.0mm, Low Mineral Glass: 2.5mm & High Mineral Glass: 2.0mm |
| Laser Sorter | To detect and separate foreign bodies during production |
| Magnet Separation | Magnetic force > 8000Gs, before being packed |
| Metal Detection | Detector to reject test pieces, Ferrous: 1.0mm, Non-ferrous: 2.0mm & Stainless steel: 1.6mm, 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) | 1496 Kj / 354 Kcal |
| Total Fat | (g) | 1.6 |
| Saturated Fats | (g) | 0.2 |
| Carbohydrates | (g) | 71.9 |
| Of which Sugar | (g) | 71.9 |
| Fiber | (g) | 11.8 |
| Protein | (g) | 7.1 |
| Sodium | (mg) | 15.8 |

**This nutritional disclaimer notifies that under no circumstances will Nuts in Bulk 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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|  <p>NutsinBulk Sourced from all corners of the Globe!</p> | PRODUCT SPECIFICATION FD Blueberry Whole | | | | |
| | Document No | Issued Date | Rev. No | Rev. Date | Page No |
| | IF 01-018 | 31.07.2024 | 08 | 31.07.2027 | 3 / 4 |

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 bag (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 height tbc |
| Weight per case/unit | 10kg (22lb) / 13kg (29lb) Net Weight Carton |
| Number of cases per pallet | tbc |
| <i>Complies with related EU/ UK/ FDA legislations; country of delivery</i> | |

7.1 Our supplier 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 (lbs)
- **Gross Weight** : X Kgs (lbs)
- **Manufacturer/ Packer** : Name
- **Item Code** : 17 Digit IF Code

8. Shelf-Life & Storage Conditions

- 24 months from production date if stored in original sealed packaging
- Storage and transportation at < 20°C and < 40% Humidity
- 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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|--|---|--------------------|----------------|------------------|----------------|
|  | PRODUCT SPECIFICATION FD Blueberry Whole | | | | |
| | Document No | Issued Date | Rev. No | Rev. Date | Page No |
| | IF 01-018 | 31.07.2024 | 08 | 31.07.2027 | 4 / 4 |

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) stipulated by EU/ UK/ FDA* |
| Total Heavy Metal | The product complies with legislative maximum levels in accordance with levels stipulated by EU/ UK/ FDA* |
| GMO | The product is free from any GMO material in accordance with EU/ UK/ US legislation. |
| Allergen | The final product does not contain any allergen; neither used as an ingredient, nor produced on same line with any other current allergen, complying with EU/ UK/ FDA stipulated allergen list. |
| *Country of delivery | |

11. Sign off Approval for our supplier

| | IF Prepared by | IF Approved by | Supplier/Customer Approved |
|------------------|-----------------------|-----------------------|-----------------------------------|
| Signature | Adam Patman | Josias Nunes | |
| Position | Technical Lead | Manager | |
| Date | 31.07.2024 | 31.07.2024 | |

| Allergens: 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 |
| LUPIN seeds or derivatives | NO | NO | NO | NO | NO | NO |