

| PRODUCT SPECIFICATION |                   |
|-----------------------|-------------------|
| Product Name          | <b>CUMIN SEED</b> |
| Product Code          | <b>2155</b>       |

|  |   |
|--|---|
| <b>Quality System</b><br>Certified and implemented | <b>ISO22000:2005 Food Safety Management Systems, BRC Global Standard for Food Safety and implemented the HACCP system according to the EU standard.</b> |
|--|---|

| PRODUCT CHARACTERISTICS           |   |
|-----------------------------------|---|
| Origin                            | India   |
| Product denomination (legal name) | <i>Cuminum cyminum</i>  |
| Description of the product        | The seeds are oval and 4-7 mm long, with longitudinal ridges and a few little bristles.   |
| Description of the process        | Sun - dried and partially separated from extraneous matter at origin; cleaned, sieved, passed over magnets, quality controlled. |
| Ingredients declaration           | 100 % Cumin   |

| Organoleptic values | Details   | Method       |
|---------------------|---|--------------|
| Appearance          | Seeds   | Organoleptic |
| Colour              | Greenish/Greyish brown  | Organoleptic |
| Flavour             | Slightly bitter and pungent taste. No off flavours or taints. | Organoleptic |
| Odour               | Strong, spicy, sweet aroma. No off odours or taints.          | Organoleptic |
| Texture             | Dehydrated  | Organoleptic |

| Analytical values          | Target | Minimum | Maximum | Method        |
|----------------------------|--------|---------|---------|---------------|
| Moisture (% w/w)           |        |         | 6.77%   | ISO 1442:1997 |
| Volatile Oil (% v/w)       | 2%     | 1.5%    |         | ASTA 5.0      |
| Acid insoluble ash (% w/w) |        |         | 1.5%    | ASTA 4.0      |
| Ash content (% w/w)        |        |         | 9%      | ISO 936:1998  |
| Mycotoxins :               |        |         |         |               |
| Aflatoxin B1               | <1ppb  |         | <5ppb   | ASTA 24.1     |
| Aflatoxin total            | <5ppb  |         | <10ppb  | ASTA 24.1     |
| Ochratoxin                 | <15ppb |         | 15ppb   | HPLC          |

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| Physical values             | Target    | Minimum       | Maximum   | Method                  |
|-----------------------------|-----------|---------------|-----------|-------------------------|
| Particle Size               | 4 – 7mm   |               |           | Sieve Size Inspection   |
| Extraneous matter           |           |               | <1%       | ASTA Cleanliness        |
| Impurities/foreign material |           |               | Absent    | Visual/Cleaning/Sifting |
| Bulk density (g/l)          |           |               |           | Weighing                |
| Metal detection (mm)        | <b>Fe</b> | <b>Non-Fe</b> | <b>SS</b> |                         |
|                             | 4.0 mm    | 5.0 mm        | 5.0 mm    | Metal Detector          |

| Microbiological values | Minimum (m)/g | Maximum (M)/g | Method           |
|------------------------|---------------|---------------|------------------|
| TVC                    | <10/7         | 10/7          | ISO 4833:2003    |
| Coli forms             | <10/4         | 10/4          | ISO 21528-2:2004 |
| B. cereus              | <1000         | 1000          | ISO 7932:2005    |
| E. coli                | Absent        | 10/2          | ISO 16649-1:2000 |
| Salmonella             | Absent in 25g | Absent in 25g | ISO 6579:2002    |
| Yeasts                 | <10/6         | 10/6          | BS 4285-3.6:1986 |
| Moulds                 | <10/6         | 10/6          | BS 4285-3.6:1986 |

| Heavy Metals (Data are based on the results of our internal monitoring system and supplier's information) |           |      |           |
|---|-----------|------|-----------|
| Lead  | Max 10ppm | Zinc | Max100ppm |
| Copper  | Max 50ppm |      |           |

| Pesticide  |
|--|
| Products are supplied in accordance with the current EU Pesticide Legislation. |

| Packaging        |                              |
|------------------|------------------------------|
| Description      | Blue Food Grade Poly Sac     |
| Size             | 460 x 560 x 990 Tri-Ex 140mu |
| Packaging weight | Net 25 kg                    |
| Bag weight       | 150g-200g                    |
| Product Barcode  |                              |

|                    |   |
|--------------------|---|
| Labelling          | Product Description, Batch / Mill order Number, Best before Date, Net Weight  |
| Storage conditions | On pallets under cool, dry, hygienic conditions; not exposed to sunlight.     |
| Shelf life         | Maximum 2 years on production.<br>Minimum 75% of declared maximum shelf life. |

| ADDITIVE         | E NO | YES | NO |
|------------------|------|-----|----|
| Sunset Yellow    | E110 |     | NO |
| Carmoisine       | E122 |     | NO |
| Tartrazine       | E102 |     | NO |
| Ponceau 4R       | E124 |     | NO |
| Sodium Benzoate  | E211 |     | NO |
| Quinoline Yellow | E104 |     | NO |
| Allura Red AC    | E129 |     | NO |

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| PRODUCT SUITABILITY |     |               |
|---------------------|-----|---------------|
| Vegetarians         | YES | Not Certified |
| Vegans              | YES |               |
| Kosher              | YES |               |
| Halal               | YES |               |
| Coeliacs            | YES |               |

| Nutrition information per 100g |      |
|--------------------------------|------|
| kcal                           | 427  |
| kJ                             | 1783 |
| Protein (g)                    | 17.8 |
| Carbohydrate (g)               | 33.7 |
| Sugar (g)                      | 2.3  |
| Fat (g)                        | 22.3 |
| Saturates (g)                  | 1.5  |
| Salt (g)                       | 0.42 |

Calculation from Literature value using Nutrition Facts software.

| <b>Allegens:-</b> When purchased in bulk size original packaging, manufacturer allergen policy will apply.<br>When purchased in quantities that need re-packaging, our allergen policies will apply. |              |                             |                 |  |                             |                 |
|--|--------------|-----------------------------|-----------------|--|-----------------------------|-----------------|
| Component  | Manufacturer |                             |                 | Nuts in Bulk<br>( 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                          | YES             | NO   | NO                          | 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   | NO                          | YES             |
| SOYA BEANS or derivatives  | NO           | NO                          | NO              | NO   | NO                          | YES             |
| MILK (LACTOSE) or its derivatives  | NO           | NO                          | NO              | NO   | NO                          | YES             |
| NUTS , tree nuts:  | NO           | NO                          | NO              | NO   | NO                          | YES             |
| CELERY, including celeriac and its derivatives   | NO           | NO                          | YES             | NO   | NO                          | NO              |
| MUSTARD, referring to all parts of the plant and derivatives thereof   | NO           | NO                          | YES             | NO   | NO                          | YES             |
| SESAME SEEDS or derivatives  | NO           | NO                          | NO              | NO   | NO                          | YES             |
| SULPHITES >10ppm – Sulphite quantity to be given in ppm  | NO           | NO                          | NO              | NO   | NO                          | YES             |
| LUPIN seeds or derivatives   | NO           | NO                          | NO              | NO   | NO                          | NO              |

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### GMO STATEMENT

|   |     |
|---|-----|
| Referring to the EU council regulations 1829/2003 and 1830/2003, we herewith issue the following statement concerning the above mentioned product : |     |
| Neither the product itself nor any component is produced from raw materials of which genetically modified varieties are known.                      | Yes |
| The product or a component is produced from raw materials which are identity preserved. This statement is based on statements of our suppliers.     | No  |
| The product or a component is produced from raw materials which have a GM origin.   | No  |
| This product needs declaration as GMO.  | No  |

### IRRADIATION STATEMENT

There are no known irradiated ingredients present in any of the raw material or finished products manufactured by the NutsinBulk. The company has no intention of knowingly purchasing any raw material or ingredient that has been irradiated.

### REMARKS

**Use in production**  
If the goods or any part thereof supplied under the contract are processed, altered or tampered with in any way by the buyer or receive of the goods or any other person, the quality of the goods shall be deemed to be acceptable to the buyer. All customers' quality control checks are to be completed on the entire load, prior to production and use.

### Infestation

Relating particularly to Coriander Seed, Whole Chillies and Fennel Seed: We cannot guarantee that goods will not at a later date, be subjected to infestation, unless specifically vacuum treated or heat treated. Even after treatments, treated goods can be subjected to re-infestation if incorrectly stored. Untreated seeds, herbs and spices in any form, treated with approved chemical fumigants, are still susceptible to possible infestation, as insect eggs are not destroyed by current chemical fumigants.

### Nut Statement

Whilst our suppliers are fully aware of consumer concerns regarding the use of Nuts and Nut products, and in many cases are nuts free sites, they are unable to give categorical assurances that their products are Nut Free from the following reasons:

- Many herbs and spices are grown and processed in close proximity to nuts at various origins
- Transportation can also be a possible source of adventitious cross contamination as many products are transported in containers from origin over which our suppliers are unable to exercise any controls.

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