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|---|---|---|
|  | PRODUCT SPECIFICATION |  |
| | PRODUCT NAME BLACK PEPPER POWDER | |

1) GENERAL DESCRIPTION

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|---------|-----------------------------|
| Product | <i>Piper nigrum L.</i> |
| Origin | Indonesia, India, Sri Lanka |

2) NUTRITIONAL VALUES in 100 g (Average Values - Source: USDA Nutrient Database)

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|--|--------------------|
| Energy value | 1050 kJ – 251 Kcal |
| Carbohydrates | 63,95 g |
| <ul style="list-style-type: none"> • Of which sugar | 0,64 g |
| Proteins | 10,39 g |
| Fats | 3,26 g |
| <ul style="list-style-type: none"> • Monounsaturated fats | 0,739 g |
| <ul style="list-style-type: none"> • Polyunsaturated fats | 0,998 g |
| <ul style="list-style-type: none"> • Saturated fats | 1,392 g |
| Minerals | 1,60 g |
| Sodium | 20 mg |
| Dietary fibre | 25,3 g |

3) CHEMICAL-PHYSICAL PARAMETERS

| | |
|------------|--|
| Appearance | Powder of black pepper, with uniform diameter <0,8 mm. Color from grey to dark marble grey. |
| Smell | Characteristic aromatic, no off smell |
| Taste | Characteristic, no off taste |
| Humidity | 9% max |

4) MICROBIOLOGICAL PARAMETERS

| | |
|-------------------|----------------|
| Total plate count | < 10.000 ufc/g |
| E. Coli | < 10 ufc/g |
| Coliforms | < 100 ufc/g |
| Yeasts and Moulds | < 250 ufc/g |
| Salmonella | Absent |

5) BIOLOGICAL PARAMETERS

| | |
|-----|--------|
| GMO | Absent |
|-----|--------|

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6) CERTIFICATIONS

| | |
|---------------------|-----|
| Organic Agriculture | Yes |
| NOP | |
| Bio Suisse | |
| JAS | |
| Kosher | |
| BRC | |

7) STORAGE AND TRANSPORT CONDITIONS

| | |
|---------|--|
| Storage | Store in a cool and dry place. Protect from humidity, heat and source of possible cross contamination. |
| Notes | Product stored in dedicated warehouse with controlled temperature |

8) PACKAGING AND SHELF LIFE

| | |
|-------------|--|
| Packaging | Jar in PET with caps in PET, double layer paper bag food grade |
| Net weight | 400 g, 20 kg |
| Shelf -life | Best before date within 36 months from the production |

9) SAFETY MEASURES

| | |
|-------------------------------------|--|
| CAS registry number | 94-62-2 Empirical formula: C ₁₇ H ₁₉ NO ₃ |
| Safety data sheet provided | Yes |
| Legislation reference | Reg. CE 1272/2008 |
| Active ingredient | Piperine |
| Hazard statements | H315 H319 H335 |
| Prevention precautionary statements | P261 P305+P351+P338 |

10) REFERENCE LEGISLATION

- Regulation (EC) No. 834/2007 "Production and labelling of organic products"
- Regulation (EC) No. 852/2004 "Hygiene of food products"
- Regulation (EC) No. 1169/2011 "Provision of food information to consumers"
- Regulation (EC) No. 1935/2004 "Food Contact Materials"
- Regulation (EC) No. 1881/2006 "Maximum levels of certain contaminants in food products"

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11) ALLERGENS

| Allergens | Existing inside the product | Existing in the production line | Existing in the storage place | Existing risk of contamination |
|--|-----------------------------|---------------------------------|-------------------------------|--------------------------------|
| Cereals containing gluten: wheat, rye, barley, oat, spelt, khorasan and derived products | NO | NO | YES | NO |
| Shellfish and derived products | NO | NO | NO | NO |
| Molluscs and derived products | NO | NO | NO | NO |
| Eggs and derived products | NO | NO | NO | NO |
| Fish and derived products | NO | NO | NO | NO |
| Peanuts and derived products | NO | NO | NO | NO |
| Soy and derived products | NO | NO | YES | NO |
| Lupin and derived products | NO | NO | YES | NO |
| Milk and derived products (included lactose) | NO | NO | NO | NO |
| Fruit with shell: almonds (<i>Amigdalus communis L.</i>), hazelnuts (<i>Corylus avellana</i>), walnuts (<i>Juglans regia</i>), cashew nuts (<i>Anacardium occidentale</i>), pecan nuts [<i>Carya illinoesis (Wangenh) K.Koch</i>], Brasile nuts (<i>Bertolletia excelsia</i>), pistachio (<i>Pistacia vera</i>), Macadamia nuts (<i>Macadamia ternifolia</i>) and derived products | NO | NO | YES | NO |
| Celery and derived products | NO | NO | YES | NO |
| Mustard and derived products | NO | NO | YES | NO |
| Sesame seeds and derived products | NO | NO | YES | NO |
| Sulphur dioxide and sulphites up to 10 mg/kg or 10 mg/l as SO ₂ | NO | NO | NO | NO |

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|---------------|---------------|---------------|---------------|
| Editing | Control | Approval | Last revision |
| February 2020 | February 2020 | February 2020 | February 2020 |