

BERGWERFF

ORGANIC INDIA PVT. LTD.

PRODUCT SPECIFICATION

FENNEL

Foeniculum vulgare
ORGANIC, STEAM TREATED

Fennel, *Foeniculum vulgare* is a flowering plant in the family *Apiaceae*. Its dried fruits are used as spice and traditional medicines in many cultures around the world.

Dried fennel fruit is highly aromatic, anise-flavored, brown, or green in color. Since the seed in the fruit is attached to the pericarp, the whole fruit is often mistakenly called "seed".

Chewing some seeds of Fennel, especially after meals, is considered good for digestion, as well as preventing constipation, bloating and colic. It also helps relieve relief from nausea and vomiting. Its consumption also helps in managing kidney and bladder disease due to its diuretic property.

Product information

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| Ingredients | Single ingredient, 100% Fennel |
| Status | 100% Organic, Pesticide residue free, Certified for NPOP, NOP, (EC) 834/2007 & (EU) 2018/848 standards |
| Fumigation | Not Treated with any Chemical. Naturally treated through Eco2 processing technique |
| Product Processing | Produced and processed according to current Good Manufacturing Practices (GMP), HACCP norms and regulations NPOP, NOP, (EC) 834/2007 & (EU) 2018/848 |
| Heat Treatment | Steam treated |

Organoleptic Description

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| Appearance | Light to pale green colored oblong fruit with longitudinal ridges. |
| Flavor | Anise Like, Sweet, Bitter |
| Odor | Characteristic, Aromatic |

Physical-Chemical Characteristics¹

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|--------------------------|-------------------------|
| Particle size | 4-8 mm long whole seeds |
| Moisture | 12 % max |
| Total Ash | 10 % max |
| Acid Insoluble Ash (AIA) | 2 % max |
| Steam Volatile Oil (VO) | 1.5 % min |

Microbiological Characteristics²

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|------------------------------------|-------------------|
| Total Plate Count – TPC (max) | < 50,000 cfu/g |
| Salmonella | Absent in 2x375 g |
| Yeast and Mould – Y&M (max) | < 500 cfu/g |
| Coliforms (max) | < 100 cfu/g |
| <i>E. coli</i> (max) | < 10 cfu/g |
| <i>Enterobacteriaceae</i> (max) | < 10 cfu/g |
| <i>Staphylococcus aureus</i> (max) | < 10 cfu/g |

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| Specification No | F:QS:072 | Pages | Page 1 of 2 |
| Issue No | 07 | Issue Date | of 01-April-2022 |
| Revision No | 00 | Revision Date | N/A |
| Prepared and documented by | Dr. Soumitra Soni Quality Assurance | Approved by | NV Baby Raphael Head QA / QC |

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Mycotoxins³

Product is routinely checked for Aflatoxin and Ochratoxin and it complies with the regulations of the destination country.

GM declaration³

To the best of our knowledge this product is non-GM and does not contain GM processing agents. This has been verified by organic certification and by traceability/identity preservation systems including adequate separation.

Allergen statement³

Free of any known Allergens.

Shelf life

Products are supplied with a minimum of 24 months to recommended shelf life (shown on product label) when stored sealed in original packaging under proper storage conditions. To maintain the product in best condition it is advisable to protect it from exposure to pests and extremes of moisture, light and temperature.

Product packaging

20 - 25 kg, PP Kraft Bags with heat sealed inner poly liner as Bergwerff standard. Other options can be suggested.

Any other mandatory requirements will be complying to the respective regulations of the destination country.

Note

¹ Testing shall be with reference to the methods prescribed in the manuals of ASTA, ESA, AOAC and Bergwerff.

² Testing shall be with reference to the methods prescribed in the manuals of USDA BAM, AOAC and Bergwerff.

³ These tests are performed when required. Certificates of Conformance are available on request.

Special remarks

The content of this specification is based on typical information for this product and results obtained from our own due diligence sampling, assessment, and testing protocols, in addition to any testing/sampling that has been undertaken by our supplier.

However, due to the nature of this product, which is not completely homogenous, test results are indicative / referral and may not be entirely representative of the product throughout the lot. In addition, the content of this Specification does not confirm or ensure that the product is safe for all intended uses other than as Spice and Condiment.

Our quality and technical documentation does not relieve the customer of their responsibilities to check that the goods supplied are suitable and considered safe for their intended use before purchase. The data provided is for information only.

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