

# BERGWERFF

ORGANIC INDIA PVT. LTD.

## PRODUCT SPECIFICATION

### ONION POWDER

*Allium cepa*  
**ORGANIC**

Onion, *Allium cepa* belongs to the *amaryllis* family (*Amaryllidaceae*), grown for its edible bulb. Onions are among the world's oldest cultivated plants and are valued for their flavor and are used widely in cooking. They add flavor to such dishes as stews, roasts, soups, and salads and are also served as a cooked vegetable.

The onion's characteristic pungency results from the sulfur-rich volatile compounds it contains; the release of these sulfur-rich volatile compounds during peeling or chopping brings tears to the eyes.

Raw, cleaned onion bulbs are chopped and dehydrated to obtain Dried Onion Flakes, which are then grinded to obtain the powdered product.

#### Product information

Ingredients	Single ingredient, 100% Onion
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	Yes

#### Organoleptic Description

Appearance	White to Off-white fine free flowing powder
Flavor	Characteristic, Sweet, Pungent
Odor	Characteristic, Aromatic

#### Physical-Chemical Characteristics<sup>1</sup>

Particle size	90 % min passing thru 50 mesh
Moisture	9 % max
Total Ash	5 % max
Acid Insoluble Ash (AIA)	1 % max

#### Microbiological Characteristics<sup>2</sup>

Total Plate Count – TPC (max)	< 500,000 cfu/g
Salmonella	Absent in 2x375 g
Yeast and Mould – Y&M (max)	< 10,000 cfu/g
Coliforms (max)	< 1,000 cfu/g
<i>E. coli</i> (max)	< 10 cfu/g

#### Mycotoxins<sup>3</sup>

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

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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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## GM declaration<sup>3</sup>

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.

## Allergens statement<sup>3</sup>

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

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

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

<sup>3</sup> 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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