

## TECHNICAL DATA SHEET

# Black Rice Extract

## 5:1

### Chemical Properties

Plant source: *Oryza sativa* Linne

Used part: Seed

Extract solvent: Ethanol & Water

### Description

Black rice extract is an ancient and precious food similar to normal white rice. The extraction ratio of this product is 5:1.

### Solubility

It is partially soluble in water.

### Specification

| Item                  | Specification           | Test Method            |
|-----------------------|-------------------------|------------------------|
| Appearance            | Purple-red fine powder  | Visual                 |
| Odor & Taste          | Characteristic          | Organoleptic           |
| Particle Size         | Min 98% through 80 mesh | 80 Mesh Screen         |
| Loss on Drying        | Max 5.0%                | 5g/105°C/2hrs          |
| Bulk Density          | 40~60g/100mL            | In-house               |
| Total Heavy Metals    | Max 20ppm               | Burning(3g/520°C/5hrs) |
| Arsenic               | Max 2ppm                | Atomic Absorption      |
| Lead                  | Max 2ppm                | Atomic Absorption      |
| Total plate count     | Max 1000cfu/g           | CP2010                 |
| Yeast & Mold          | Max 100cfu/g            | CP2010                 |
| <i>E.Coli</i>         | Negative                | CP2010                 |
| <i>Salmonella</i>     | Negative                | CP2010                 |
| <i>Staphylococcus</i> | Negative                | CP2010                 |

### Regulatory Information

|                                | Yes | No |
|--------------------------------|-----|----|
| Contains GMO based ingredients |     | √  |
| BSE/TSE-free                   | √   |    |
| Suitable for vegetarian        | √   |    |
| Suitable for vegan             | √   |    |

## Country of Origin

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China

## Ingredients

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Black Rice Extract 5:1.

## Labeling

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In the United States and the European Union: Black Rice Extract

## Applications

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Applied in pharmaceutical field and healthy products field.

## Safety

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This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

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Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

## Packaging, Storage & Shelf Life

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|            |   |
|------------|---|
| Package    | 25kg/drum, packed in paper-drums and two plastic-bags inside;<br>or according to customers' requirements. |
| Storage    | Store in a well-closed container away from moisture, light, oxygen.                                       |
| Shelf Life | 2 years when sealed and stored properly.  |