

TECHNICAL DATA SHEET

Lotus Extract

Nuciferin 2%

Chemical Properties

Plant source: *Nelumbo nucifera Gaertn.*

Used part: Leaf

Drying Method: Spray Drying

Description

Lotus is harvested in summer and autumn, which was born in the places of mizusawa, ponds, lakes or rice fields, and it can be wild or cultivated. The flower and leaves are also commonly made into a mild tea, which is slightly bitter. They can be used as a garnish or added to soups as well. Dried lotus leaf is available at many herbal shops. Additionally, the plant can be found in pill, powder, and capsule form. Lotus is considered safe and has no known negative side effects.

Solubility

It is partially soluble in water.

Specification

Item	Specification	Test Method
Appearance	Brownish-Yellow Fine Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Assay(Nuciferin)	Min 2.0%	HPLC
Loss on Drying	Max 5.0%	5g/105°C/2hrs
Particle Size	98% through 80 mesh	80 Mesh Screen
Bulk Density	40-60g/100mL	In-house
Heavy Metal	Max 20ppm	Burning(3g/520°C/5hrs)
Arsenic	Max 2ppm	Atomic Absorption
Lead	Max 2ppm	Atomic Absorption
Total Plate Count	Max 1,000cfu/g	CP2010
Mold & Yeast	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

China

Ingredients

Lotus extract nuciferin 2%.

Labeling

In the United States and the European Union: Lotus Extract

Functions

- 1). Weight control Adjust blood lipids, expectorant Anticoagulant and antidote in medicine It is used for treatment of summer heat syndrome and dampness accumulation;
- 2). Lotus leaf has become popular for lowering blood lipids and treating fatty liver; It is commonly combined with cartages, which promotes blood circulation and lowers blood fats, for that purpose;
- 3). Control adjust blood lipids, expectorant, Anticoagulant.

Applications

- 1). Help digestion, and the flavonoids and tannins, are powerful antioxidants which protect the heart and assist in weight loss.
- 2). Pharmaceutical stuff used as a treatment of hyperlipemias, obesities, pneumonia, babydiarrhea and weansummer hot, etc.
- 3). Functional food and food additive.

Safety

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

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

Package	25kg/drum, Packed in paper drums and two plastic bags inside; or according to customers' requirements.
Storage	Store in a cool dry place, avoiding sunlight directly.
Shelf life	2 years if sealed and stored properly.