

TECHNICAL DATA SHEET

Marshmallow Extract

5:1

Chemical Properties

Plant source: *Althaea officinalis*

Used part:Root

Extract ratio: 5:1

Extract Solvent: Ethanol and Water

Carrier: Maltodextrin max 20%

Description

Althaea officinalis, or marsh-mallow, is a perennial species indigenous to Europe, Western Asia, and North Africa, which is used in herbalism and as an ornamental plant. A confection made from the root since ancient Egyptian time evolved into today's marshmallow treat.

Solubility

Partially soluble in water.

Specification

Item	Specification	Test Method
Appearance	Brown yellow to brown fine powder	Visual
Odor & taste	Characteristic	Organoleptic
Particle Size	Min 95% through 80 mesh	80 Mesh Screen
Loss on Drying	Max 5.0%	CP2015
Ash	Max 5.0%	CP2015
Bulk density	0.30-0.80g/ml	CP2015
Heavy metals	Max 10ppm	Colorimetric
Lead(Pb)	Max 2ppm	Atomic Absorption
Arsenic(As)	Max 2ppm	Atomic Absorption
Cadmium(Cd)	Max 0.5ppm	Atomic Absorption
Mercury(Hg)	Max 1ppm	Atomic Absorption
Total Plate Count	Max 1,000cfu/g	CP2015
Yeast & Mold	Max 100cfu/g	CP2015
<i>E.Coli</i>	Negative	CP2015
<i>Salmonella</i>	Negative	CP2015

Regulatory Information

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

Country of Origin

China

Ingredients

Marshmallow Extract 5:1

Labeling

In the United States and the European Union: Marshmallow Extract

Functions

- 1). Help diuretic and cough.
- 2). Help relieve inflammation and detoxification.
- 3). Cure cough, bronchitis and colds.

Applications

This product can be widely used in medicine, health care products.

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; or according to customers' requirements.
Storage	Stored in well-closed container away from moisture.
Shelf life	2 years if sealed and stored properly.