

TECHNICAL DATA SHEET

Marshmallow Extract

4:1

Chemical Properties

Plant source: *Althaea officinalis*

Used part: Root

Extract ratio: approx. 4:1

Extract Solvent: Water

Sterilization method: Non-irradiated

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 fine powder	Visual
Odor & taste	Characteristic	Organoleptic
Identification(TLC)	Identical to R.S. sample	In-house
Particle Size	Min 98% through 80 mesh	CP2015
Loss on Drying	Max 5.0%	CP2015
Ash	Max 5.0%	CP2015
Bulk density	Reported on COA	CP2015
Tapped Density	Reported on COA	CP2015
Heavy metals	Max 10ppm	AAS
Lead(Pb)	Max 2ppm	AAS
Arsenic(As)	Max 2ppm	AAS
Cadmium(Cd)	Max 0.5ppm	AAS
Mercury(Hg)	Max 1ppm	AAS
Total Plate Count	Max 5,000cfu/g	CP2015
Yeast & Mold	Max 500cfu/g	CP2015
<i>E. Coli</i>	Negative	CP2015
<i>Salmonella</i>	Negative	CP2015

Regulatory Information

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

Country of Origin

China

Ingredients

Marshmallow Extract

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.