

TECHNICAL DATA SHEET

Actaea Racemosa Root Extract

10:1

Chemical Properties

Plant source: *Actaea Racemosa*

Used part: Root

Extract Solvent: Ethanol & Water (50:50)

Description

Actaea racemosa (called Black cohosh), a member of the buttercup family, is a perennial plant that is native to North America. For centuries, the roots of the North American black cohosh plant have been used for various ailments. Black cohosh is now a popular remedy for the symptoms of menopause. This has been especially true since the risks of a standard treatment for menopause -- hormone therapy -- were publicized more than a decade ago.

Solubility

Partially soluble in water.

Specification

Item	Specification	Test Method
Appearance	Yellow Brown fine powder	Visual
Odor & Taste	Characteristic	Organoleptic
Drying Method	Spray Drying	In-house
Extract Ratio	10:1	In-house
Identification	Identical to R.S. sample	In-house
Sieve analysis	Min 98% through 80 mesh	80 Mesh Screen
Loss on Drying	Max 5.0%	5g/105 °C/2hrs
Total Ash	Max 10.0%	In-house
Bulk density	40-60g/100mL	In-house
Tapped density	60~90g/100mL	In-house
Total Heavy Metals	Max 20.0ppm	Burning(3g/520 °C/5hrs)
Lead (Pb)	Max 3.0ppm	Atomic Absorption
Arsenic (As)	Max 2.0ppm	Atomic Absorption
Cadmium (Cd)	Max 1ppm	Atomic Absorption
Mercury (Hg)	Max 0.1ppm	Atomic Absorption
Solvents Residue	Meet Requirements of EP 7.0	EP 7.0
Pesticides Residue	Meet Requirements of USP	USP
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

China

Ingredients

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Labeling

In the United States and the European Union: Actaea Racemosa Root Extract 10:1

Functions

- 1) Reduce menopausal symptoms. Recognized for its mild sedative and anti-inflammatory activity, black cohosh can help with hot flashes and other symptoms associated with that dramatic change of life called menopause. It's also reported to have some estrogenic activity. It's also reportedly well known for easing PMS and menstrual irregularities.
- 2) Treat kidney ailments, malaria, rheumatism, and sore throats.
- 3) Black cohosh has been used to relieve arthritis pain.
- 4) Black cohosh has also been used to help lower blood pressure.

Applications

Applied in health product field, and in pharmaceutical field.

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 away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with

eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

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 well-closed container away from moisture, light, oxygen.
Shelf Life	2 years when sealed and stored properly.