

TECHNICAL DATA SHEET

Black Cohosh Extract

Triterpenoid Saponins 5% HPLC

Chemical Properties

Plant source: *Cimicifuga Racemosa*

Used part: Root

Extract Ratio: 10-12:1

Extract Solvent: Ethanol

Description

Black cohosh is a perennial wild flower native to northeastern United States. The herb has been widely used in Europe for more than 40 years. Its main active ingredient is terpenes glycosides.

Solubility

Partially soluble in water.

Specification

Item	Specification	Test Method
Appearance	Brown fine powder	Visual
Odor & Taste	Characteristic	Organoleptic
Assay of triterpenoid saponins (actein, epi-actein, 27-deoxyactein, cimicifugoside, cimicifugoside A, 26-deoxycimicifugoside, acetyl shengmanol xyloside)	Min 5%	HPLC, in-house
Sieve Analysis	Min 98% pass 80 mesh	USP34<786>
Loss on Drying	Max 5.0%	Eur.Ph.6.0<2.8.17>
Ash	Max 5.0%	Eur.Ph.6.0<2.4.16>
Bulk density	45-65g/100ml	Eur.Ph.7.0<2.9.15>
Heavy metals	Max 10ppm	Eur.Ph.7.0<2.2.58>
Residual Solvents	Eur.Pharm.2000	Eur.Pharm.2000
Total Plate Count	Max 10000 cfu/g	USP34<61>
Yeast & Mold	Max 100 cfu/g	USP34<61>
<i>E. Coli</i>	Negative	USP34<62>
<i>Salmonella</i>	Negative	USP34<62>

Regulatory Information

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

Country of Origin

China

Ingredients

Black Cohosh Extract Triterpenoid Saponins min 5%

Labeling

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

Functions

- 1). It has the effect of antibiosis, anti-hypertension, inhibiting myocardium, lowering heart rate and sedation.
- 2). It has an effect on arthritis and osteoporosis.

Applications

This product can be widely used in medicine and 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 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; or according to customers' requirements.
Storage	Store in cool & dry place. Keep away from strong light and heat.
Shelf Life	2 years when sealed and stored properly.