



## Technical Data sheet

**Product Name:** Epimedium Extract

**Botanical source:** *Epimedium brevicornu Maxim.*

**Specification:** Icariin 60%

**Part used:** Leaf

**Appearance:** Brown yellow fine powder

**Test method:** HPLC



Epimedium, also known as barrenwort, bishop's hat, fairy wings, horny goat weed, rowdy lamb herb, randy beef grass or yin yang huo, is a flowering plant endemic to China. It has been present in Traditional Chinese Medicine for centuries as a remedy for low libido, erectile dysfunction, fatigue, pain, and other conditions. According to recent studies, epimedium contains icariin, which is a PDE5 inhibitor like sildenafil, the active ingredient of Viagra. Icariin causes more blood to flow to the penis and could theoretically work better and cause fewer side effects than current drugs for erectile dysfunction. Animal, human, and in vitro studies indicate that icariin also stimulates osteoblast activity in bone tissue, and therefore can treat osteoporosis.

### Health benefits:

1. Epimedium extract used to treat hypotension and anti-osteoporosis function;
2. Epimedium extract own the effect of anti-aging, anti-bacterial, anti-virus and anti-inflammatory;
3. Epimedium extract with the function of improving the immune system and cardiovascular system, promote vasodilation;
4. Epimedium extract has the usage to strengthen sexual function, stimulate androgen hormones, activate sensory nerve.



### Technical specification:

ITEM	SPECIFICATION
Appearance	Brown yellow fine powder
Odor/Taste	Characteristics
Partical Size	95%-99%% through 80 mesh
Loss on Drying	≤5.0%
Ash	≤5.0%
Assay	Icariin 60% HPLC
Solvents	Water + ethanol
Bulk Density	50-60g/100ml
Total Heavy Metals	≤10 ppm
Cadmium (Cd)	≤1 ppm
Mercury (Hg)	≤1 ppm
Lead (Pb)	≤2 ppm
Arsenic (As)	≤2 ppm
Total of Plate Count	≤1000CFU/g
Yeast and Mold	≤100CFU/g
Salmonella	Negative
E.coli	Negative

### Packaging Details:

Package: 25kgs/fiber drum, inner with double-layer plastic bags.

Storage: Store in cool, dry place, and keep away from direct strong light.

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