

## TECHNICAL DATA SHEET

# Centella Asiatica Extract

## Triterpenes 10% HPLC

### Chemical Properties

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Plant source: *Centella Asiatica*

Used part: Herba

Extract Solvent: Ethanol & Water

### Description

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*Centella asiatica*, commonly known as centella, Asiatic pennywort or Indian pennywort or Gotu kola, is a herbaceous, frost-tender perennial plant in the flowering plant family Apiaceae, subfamily Mackinlayoideae. It is native to wetlands in Asia. It is used as a culinary vegetable and as medicinal herb.

### Solubility

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It is soluble in ethanol.

### Specification

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Item	Specification	Test Method
Appearance	Brown fine powder	Organoleptic
Odor	Characteristic	Organoleptic
Assay(Asiaticoside+Madecassoside+Asiaticoside B)	Min 10%	HPLC, CP2015
Particle Size	Min 98% through 80 mesh	CP2015
Loss on Drying	Max 5.0%	CP2015
Total ash	Max 5.0%	CP2015
Heavy Metals	Max 10ppm	CP2015
Lead(Pb)	Max 0.5ppm	CP2015
Arsenic(As)	Max 0.5ppm	CP2015
Cadmium(Cd)	Max 0.3ppm	CP2015
Mercury(Hg)	Max 0.2ppm	CP2015
PCNB	Max 1.0ppm	CP2015
Total Plate Count	Max 1,000cfu/g	CP2015
Yeast & Moulds	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

√

Non-irradiation

√

Suitable for vegetarian

√

Suitable for vegan

√

## Country of Origin

China

## Ingredients

Centella Asiatica Extract 70%, Maltodextrin 30%.

## Labeling

In the United States and the European Union: Centella Asiatica Extract

## Functions

1. Anti-depressive;
2. Quenching free radical, antioxidant, and anti-aging;
3. Promoting wound healing and stimulating granulation growing;
4. Clear promotion effect on HSKa & HSFb, also with promotion effect on the formation of DNA;
5. Clear effect on promoting repairing skin damage, widely used for external application in skin and for skin-care products.

## Applications

This product can be applied in pharmaceutical, cosmetic, nutrition.

## 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, Packed in paper-drums and two plastic-bags inside;  
or according to customers' requirements.

Storage Store in a cool dry place, avoiding sunlight directly.

Shelf Life 2 years if sealed and stored properly.