

## TECHNICAL DATA SHEET

# Soy Isoflavones

## 40% HPLC

### Chemical Properties

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Plant source: *C(cine max (L.) Merr*

Used part: Germ

Extract Solvent: Ethanol & Water

### Description

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Soy isoflavones are widely found in soybean and other plants. Soy isoflavones are a kind of secondary metabolites formed in soybean growth and are a kind of bioactive substance. They have a similar structure with estrogen so that they are also known as phytoestrogens.

### Solubility

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Dispersible in water, soluble in ethanol.

### Specification

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Item	Specification	Test Method
Appearance	Light yellow powder	Organoleptic
Odor & Taste	Characteristic	Organoleptic
Solubility	Soluble in Ethanol	In-house
Identification	Positive	HPLC, GB/T23788-2009
Total Isoflavones	Min 40.00%	
Daidzin	Reported on COA	
Glycitin	Reported on COA	
Genistin	Reported on COA	HPLC, GB/T23788-2009
Daidzein	Reported on COA	
Glycitein	Reported on COA	
Genistein	Reported on COA	
Particle size	Min 98% pass 80 mesh	80 mesh
Moisture	Max 5.0%	GB 5009.3
Ash	Max 5.0%	GB 5009.4
Bulk Density	45-62g/100ml	In-house
Heavy Metals	Max 10ppm	GB 5009.74
Arsenic(As)	Max 2ppm	GB 5009.11
Lead (Pb)	Max 1ppm	GB 5009.12
Mercury (Hg)	Max 0.1ppm	GB 5009.17
Cadmium (Cd)	Max 1ppm	GB 5009.15
Total Plate Count	Max 1000cfu/g	GB 4789.2

Yeast & Mold	Max 100cfu/g	GB 4789.15
<i>E. Coli</i>	Negative/g	GB 4789.38
<i>Salmonella</i>	Negative/25g	GB 4789.4
<i>S. aureus</i>	Negative/g	GB 4789.10

## Ingredients

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Soy Isoflavones min 40%

## Labeling

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In the United States and the European Union: Soy Isoflavones

## Functions

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1. Use in estrogen replacement therapy
2. Lower cholesterol
3. Relieve women menopause syndrome ,guard against osteoporosis
4. Protect human body from destroy by free-radical to advance immunity
5. Be healthy for stomach and spleen and protect nerve system
6. Cure and prevent prostate cancer
7. Cure and prevent breast cancer and heart disease

## Applications

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Applied in pharmaceutical field, it is usually made into tablets, capsule and granule to warm the kidney, streng then the spleen and enhance human immunity;

Applied in food field, it is mainly used in kinds of beverage, liquor and foods to enhance human immunity and anti-aging.

## Safety

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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

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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

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Package	25kg /drum;or according to customers' requirements.
Storage	Store in cool and dry place, keep away from strong light and heat.
Shelf Life	2 years when properly stored.