

TECHNICAL DATA SHEET

Soy Isoflavones

10% UV

Chemical Properties

Plant source: *Glycine max* (L.) Merr

Used part: Germ

Extract Solvent: Ethanol & Water

Description

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

Soluble in ethanol.

Specification

Item	Specification	Test Method
Appearance	Light yellow fine powder	Organoleptic
Odor	Characteristic	Organoleptic
Identification	Identical to R.S. sample	HPTLC
Isoflavones	Min 10.0%	UV
Sieve analysis	Min 98% through 80 mesh	USP36<786>
Loss on Drying	Max 5.0%	Eur.Ph.7.0 [2.8.17]
Total ash	Max 10.0%	Eur.Ph.7.0 [2.4.16]
Bulk density	40~60g/100mL	Eur.Ph.7.0 [2.9.34]
Tap density	60~90g/100mL	Eur.Ph.7.0 [2.9.34]
Lead	Max 3.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Arsenic	Max 2.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Cadmium	Max 1.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Mercury	Max 0.1ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Solvents Residue	Meets the Requirement of Eur.Ph.7.0 <5.4>	Eur.Ph 7.0<2.4.24>
Pesticides Residue	Meets the Requirement of USP	USP36 <561>
Non-Irradiation	Max 700	EN13751:2002<PSL>
Total Plate Count	Max 1000cfu/g	USP36 <61>
Yeast & Mold	Max 100cfu/g	USP36 <61>
<i>E.Coli</i>	Negative	USP36 <62>
<i>Salmonella</i>	Negative	USP36 <62>

Ingredients

Soy Isoflavones min 10%

Labeling

In the United States and the European Union: Soy Isoflavones

Functions

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

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

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 and oxygen.
Shelf Life	24 months under the conditions above and in its original packing.