

TECHNICAL DATA SHEET

St. John's Wort Extract

Hypericins 0.3% UV

Chemical Properties

Botanical Name: *Hypericum perforatum* L.

Plant Part: Herb with flowers

Ethanol:Water:3:1

Extract Ratio:6:1

Excipient:None

Description

The St. John's Wort Extract used in dietary supplements is derived from the aerial parts in blossom of the plant St. John's Wort (*Hypericum perforatum* L.). It has been used since ancient times for everything from a "protector against evil spirits" (depression) and for wound healing to its most common present-day use as an antidepressant.

Solubility

Practically insoluble in water.

Specification

Item	Specification	Test Method
Appearance	Deep brown fine powder	Organoleptic
Odor	Characteristic	Organoleptic
Identification	Identical to R.S. sample	HPTLC, USP
Assay(Hypericins)	Min 0.3%	UV, in-house
Hyperforin	3.0 - 6.0%	HPLC, USP
Particle size	Min 95% pass 80 mesh	USP <786>
Loss on Drying	Max 5.0%	Eur.Ph.7.0 [2.8.17]
Total ash	Max 7.0%	Eur.Ph.7.0 [2.4.16]
Bulk density	40~60g/100mL	Eur.Ph.7.0 [2.9.34]
Tapped density	60~90g/100mL	Eur.Ph.7.0 [2.9.34]
Residual pesticides	Meet USP36	USP36
Arsenic (As)	Max 2.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Lead (Pb)	Max 3.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Cadmium (Cd)	Max 1.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Mercury (Hg)	Max 0.1ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Non-Irradiation	Max 700	EN13751:2002<PSL>
Total Plate Count	Max 10,000cfu/g	USP36 <2021>

Yeast & Mold	Max 100cfu/g	USP36 <2021>
Bile-tolerant Gram negative bacteria	Max 100cfu/g	TGO77
<i>E. Coli</i>	Negative	USP36 <2022>
<i>Salmonella</i>	Negative	USP36 <2022>
<i>Staphylococcus aureus</i>	Negative in 1g or 1mL	TGO77

Ingredients

Hypericins min 0.3%

Labeling

In the United States and the European Union: St. John's Wort Extract

Functions

- 1). It has significant support in the treatment of mild to moderate depression.
- 2). It can also help to control appetite and promote weight loss.
- 3). It is a valuable healing and anti-inflammatory remedy, and improves tolerance to stress.

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, 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.