

TECHNICAL DATA SHEET

Saw Palmetto Extract

10:1

Chemical Properties

Plant source: *Serenoa repens*

Used part: Fruit

Extract Solvent: Ethanol

Drying Method: Spray Drying

Description

Saw palmetto extract is made from the berry of the saw palmetto plant, Historians believe that this berry has been used for both food and medicinal purposes for centuries despite the bitter flavor and challenges of harvesting the fruit.

Solubility

It is insoluble in water.

Specification

Item	Specification	Test Method
Appearance	White Fine Powder	Visual
Odor	Characteristic	Organoleptic
Extract Ratio	10:1	In-house
Particle Size	Min 98% through 80 mesh	80 Mesh Screen
Loss on Drying	Max 5.0%	5g/105°C/2hrs
Total ash	Max 10.0%	Burning(3g/520°C/5hrs)
Bulk Density	40~60g/100ml	In-house
Tap density	60~90g/100ml	In-house
Lead	Max 3.0ppm	AtomicAbsorption
Arsenic	Max 2.0ppm	AtomicAbsorption
Cadmium	Max 1.0ppm	AtomicAbsorption
Mercury	Max 0.1ppm	AtomicAbsorption
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	EP
Pesticides Residue	Meet USP Requirement	USP
Total Plate Count	Max 1000cfu/g	CP2010
Mold & Yeast	Max 100cfu/g	CP2010
<i>E.Coli</i>	Negative	CP2010
<i>Salmonella</i>	Negative	CP2010

Ingredients

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Labeling

In the United States and the European Union: Saw Palmetto Extract

Functions

- 1) Relieve many symptoms of BPH (benign prostatic hyperplasia) including difficult urination, excessive urination (frequent urge to urinate), nocturia (frequent urination at night), residual urine (incomplete emptying of the bladder).
- 2) Improve BPH by counteracting inflammation, muscle spasms, and edema (swelling) of the prostate.

Applications

Functional Food; Beverage; Cosmetic; Pharmaceutical.

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 well-closed container away from moisture, light, oxygen.
Shelf life	2 years under the conditions above and in its original packing.