



Product Name: Linseed extract
powder Lignan

Latin Name: Linseed

Part Used: Fruit/ Seed

Active Ingredient: lignan

Test Method: UV/HPLC

Extraction method: water
extraction/ alcohol extraction

Basic Information of:

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Our Extract Specifications:

Product Name/Code	Specification	Test Method
Linseed extract powder Lignan	20%-98%	HPLC/UV
protein	≥50%-98%	HPLC
	4:1 20:1	TLC

What is

Flax (also known as common flax or linseed), with the binomial name *Linum usitatissimum*, is a member of the genus *Linum* in the family *Linaceae*. It is a food and fiber crop that is grown in cooler regions of the world. The textiles made from flax are known in the West as linen, and traditionally used for bed sheets, underclothes and table linen. The oil is known as linseed oil. In addition to referring to the plant itself, the word "flax" may refer to the unspun fibers of the flax plant. The plant species is known only as a cultivated plant, and appears to have been domesticated just once from the wild species *Linum bienne*, called pale flax.

Several other species in the genus *Linum* are similar in appearance to *Linum usitatissimum*, cultivated flax, including some that have similar blue flowers, and others with white, yellow, or red flowers. Some of these are perennial plants, unlike *L. usitatissimum*, which is an annual plant. Cultivated flax plants grow to 1.2 m (3 ft 11 in) tall, with slender stems. The leaves are glaucous green, slender lanceolate, 20 – 40 mm long and 3 mm broad.

The flowers are pure pale blue, 15 – 25 mm diameter, with five petals. The fruit is a round, dry capsule 5 – 9 mm diameter, containing several glossy brown seeds shaped like an apple pip, 4 – 7 mm long.

Function:

1. Anti-cancer effect, such as breast cancer, prostatic cancer, etc;
2. To reduce premenstrual syndrome;
3. To prevent against osteoporosis;
4. To lower cholesterol;
5. Help to treat Diabetes, coronary heart disease, kidney disease and so on.

Application:

- 1) Applied in pharmaceutical field, it is used to preventing cancer and diabetes mellitus
- 2) Applied in cosmetics field, it owns the effect of whitening, dispelling spot, anti-wrinkle, activating skin cells, making skin more tender and firm.
- 3) Applied in women health product, it is often used in relieving menopause discomfort