

Source

The dried ripe seed of Linum usitatissimum L, in the family Linaceae

Property and flavour

Neutral: sweet

Meridian affinity

Lung, liver and large intestine meridians

Actions

To moisten dryness and promote bowel movements; to nourish blood and remove wind

Note:

^{*} Its name in Chinese Pharmacopoeia (2020 Edition) is "Lini Semen".

Micro-morphological features

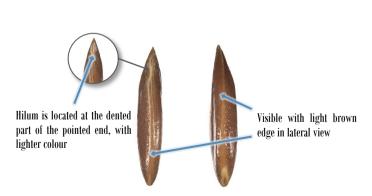


Flattened ovate

Relative pointed at one end After being soaked in warm water, epidermis swells to form transparent mucilaginous membrane surrounding the whole seed

Relatively round at another end

Surface view



Lateral view

Surface

Reddish-brown, smooth and lustrous, with brown dots

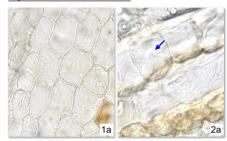


0.2 mm

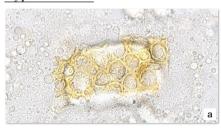
Powder microscopic features

Testa

Epidermal cell of testa

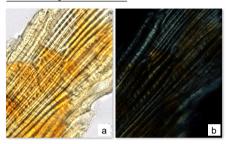


Hypodermal cell



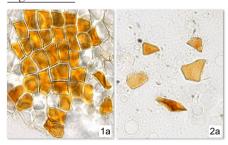
Light yellow, appears sub-polygonal or sub-rounded in surface view, with slightly thick wall

Sclerenchymatous cell



Light yellow or yellow, stripshaped, wall is thick or slightly thick, with small and dense pits; yellow or white under polarized light microscope

Pigment cell



Appears square, rectangular or polygonal in surface view (1), with tightly beaded anticlinal wall, usually contains yellowish-brown or brown substances that easily fragment into irregular pigment masses (2)

Semen Lini

Key identification features

Micro-morphology

- Flattened ovate
- Visible with light brown edge in lateral view
- Surface is smooth and lustrous, with brown dots

Powder microscopy

- Epidermal cell of testa: slightly shriveled in surface view, with thin wall; lateral side is occasionally found, with mucilage in lumen
- O Sclerenchymatous cell: strip-shaped, wall is thick or slightly thick, with small and dense pits
- Pigment cell: with tightly beaded anticlinal wall, usually contains yellowish-brown or brown substances

For more information, please refer to website of the Hong Kong Chinese Materia Medica Standards:

Lini Semen — HKCMMS (Vol 9)

Government Chinese Medicines Testing Institute Department of Health Enquiry hotline: 3188 8079

Website: www.cmro.gov.hk

The information in this pamphlet may be re-disseminated or reproduced, provided that the Government Chinese Medicines Testing Institute (GCMTI), as the source of information, is acknowledged and that the re-dissemination or reproduction is for non-commercial use. Any reproduction, adaptation, distribution, dissemination or making available of the information in this pamphlet for commercial use is strictly prohibited unless prior written authorisation is obtained from the GCMTI.