

Diploma in Pharmacy 1st Year

Pharmacognosy Practical

To perform the morphological study of Black pepper

Aim:

To perform the morphological study of Black pepper.

Reference :

Dr. Gupta G.D , Dr. Sharma Shailesh , Kaur Navjit , “Practical Manual of Pharmacognosy” Published by Nirali Prakashan , Pg.No 26 - 29

Synonyms

Kalimirch (Hindi), Golmarich (Bangali), Milagu- Milagu

Biological Source :

Black pepper consists of dried unripe fruits of *Piper nigrum* Linn., belonging to family Piperaceae.

Morphological Characters

This form of evaluation involves a series of tests using the sense organs. It refers to evaluation of:

- 1) Colour:** The exterior is dark brown or greyish-black in colour.
- 2) Shape and Size:** Fruits are globular in shape and range in diameter from 3.5 to 6 mm. The surface is reticulated and wrinkled, with stigma remnants near the apex.
- 3) Taste:** It has a strong fragrant taste.
- 4) Odour:** It is aromatic, slightly musty odour comes from the volatile oils found largely in the flesh and skin.

5) Extra Features: The pericarp is slender, enclosing a single white kernel with a hollow centre. Perisperm, a tiny endosperm, and an embryo are all found in this kernel. The outside section of the perisperm is horny.

Result :

The morphological study of Black pepper was performed.