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# Diploma in Pharmacy 1<sup>st</sup> Year

## Pharmacognosy

### Experiment

To study morphological characters of Senna

#### Aim:

To study morphological characters of Senna.

#### Reference :

Dr. Gupta G.D , Dr. Sharma Shailesh , Kaur Navjit , “Practical Manual of Pharmacognosy” Published by Nirali Prakashan , Pg.No 5 - 8

#### Biological Sources:

Senna leaf consists of the dried leaflets of *Cassia acutifolia*, Delile (C. senna L.) known as Alexandrian senna and of *C. angustifolia* Vahl., which is Tin-nevelly senna. It commercially known as belongs to family Leguminosae.

#### Chemical Constituents:

Senna contains sennosides A and B (2.5%) based on the sennosides C and D aglycones sennidin A and B, which are glycosides of heterodianthrones of aloe emodin and rhein are present. Others include palmidin A, rhein anthrone and aloe-emodin glycosides. Senna also contains free chryso phanol, emodin and their glycosides and free aloe-emodin, rhein, their monoanthrones, dianthrones and their Mucilage glycosides. is present in the epidermis of the leaf and gives red colour with ruthenium red

## Morphological Characters:

Colour : Leaves – Yellowish – Green

Odour : Slight and unpleasant

Shape : Leaves – Lanceole

**Please Note draw on left side**



**Figure: Senna**

## Uses:

- Senna leaves are used as laxative
- It helps to increase peristalsis movements which also cause reduction in water absorption

## Result

The morphological study of Senna was performed.