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Diploma in Pharmacy 1st Year

Pharmacognosy

Experiment

To perform the morphological study of Agar.

Aim:

To perform the morphological study of Agar.

Reference :

Dr. Gupta G.D , Dr. Sharma Shailesh , Kaur Navjit , “Practical Manual of Pharmacognosy” Published by Nirali Prakashan , Pg.No 59 - 62

Synonyms

Agar-agar, Chinese-isinglass, vegetable gelatine, gelose, Japan-agar.

Biological Source :

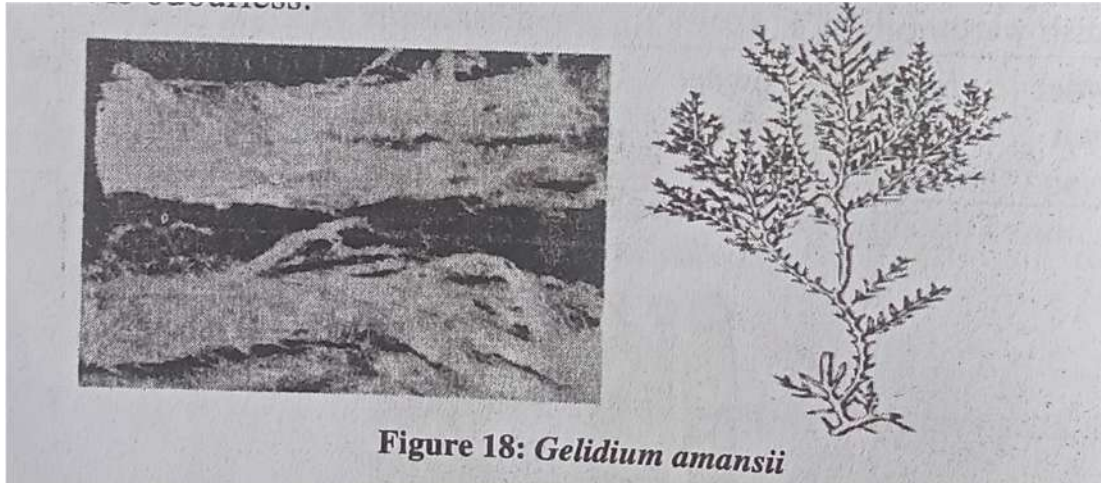
It is the dried gelatinous substance obtained by extraction with water from *Gelidium amansii* or various species red alga *Gelidaceae*. like *Gracilaria* and *Pterocladia*, belonging to family *Gelidaceae*. (*Gelidium* and *Pterocladia*), *Gracilariaceae* (*Gracilaria*)

Morphological Characters

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

- 1) **Colour:** On the basis of the shape and form, it can be yellowish to grey or 1 white to nearly colourless.
- 2) **Shape:** It can be found in various shapes such as strips, sheets, flakes or coarse powder.

- 3) **Size:** Length of the sheets is 45-60 cm and breadth is 10-15 cm. Breadth of the bands strips are about 4 cm and 4 mm respectively. Strips are translucent, lustrous and slender, while the flakes are greyish-white in colour
- 4) **Taste:** The taste is mucilaginous.
- 5) **Odour:** It is odourless.



Result :

The morphological study of Agar was performed.