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Diploma in Pharmacy 1st Year

Pharmaceutics

Experiment

To demonstrate the uniformity of mass test of the capsules as per the monographs.

Aim:

To demonstrate the uniformity of mass test of the capsules as per the monographs.

Reference :

‘ Dr. Gupta G.D , Dr. Sharma Shailish , Dr. Sharma Neelam ’
“Practical Manual of Pharmaceutics” Published by Nirali Prakashan, Page no 156 – 158

Apparatus and Materials Required :

Capsules and weighing scale.

Theory :

In accordance with the standards mentioned in IP, BP, and PhEur, the content mass of not more than 2 capsules should deviate from the average mass by more than the percentage deviation listed in the table 6 and none of the capsules should deviate by more than twice that percentage

Table 6: IP, BP, and PhEur Limits for Uniformity of Mass

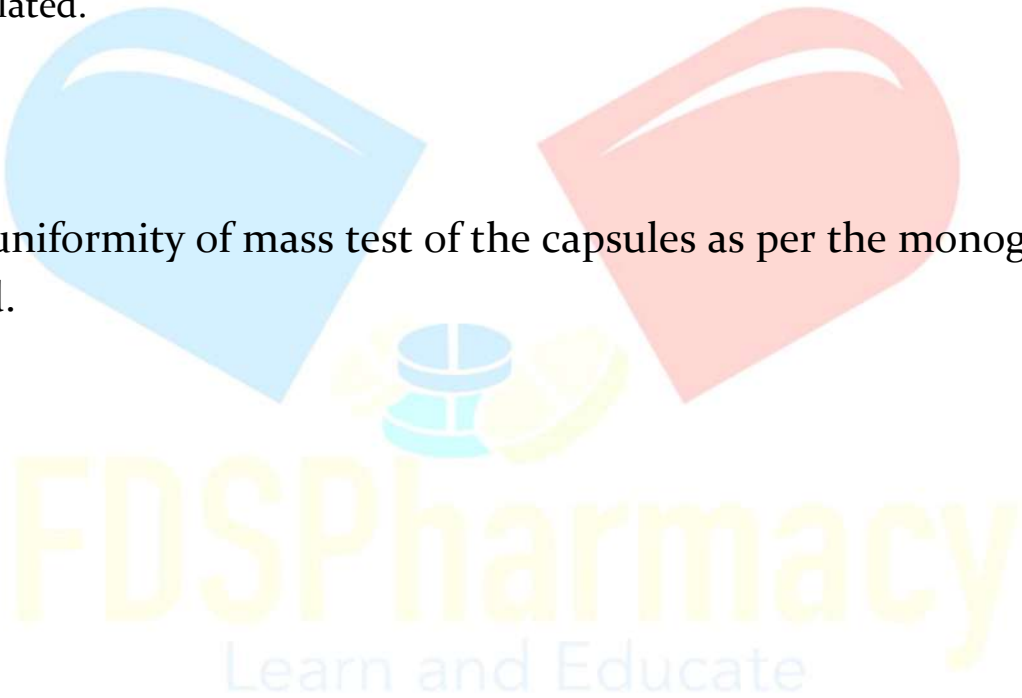
Average Mass (mg)	Percentage Deviation (%)
Less than 300	10
300 or more	7.5

Procedure :

- 1) In this test, a pre-weighed capsule is opened and its contents are completely removed without losing any part of the shell
- 2) The empty capsule shell is weighed.
- 3) The difference between the weight of filled and empty capsule shell gives the weight of contents.
- 4) This process is again performed using 19 capsules and their average mass is calculated.

Result :

The uniformity of mass test of the capsules as per the monographs were studied.



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