

Tablets

- Tablets are defined as solid flat or bi-convex discs, prepared by compressing a drug or a mixture of drugs with or without diluents.
- They are available in different size, shape and weight.

Advantage of Tablets:

- They are easily swallowed.
- They are easy to carry.
- Unpleasant taste can be masked by sugar coating.
- They provide prolong stability to medicament.
- They maintain the accuracy of dosage.

Disadvantages of Tablets:

- Some drugs cannot be compressed because of their low density and amorphous nature.
- Drugs with poor wetting, slow dissolution and large dose are difficult to convert into tablets.

Coated tablets:

- Tablets can be either coated with a sugar or film coating.
- A coated tablets generally goes down easier and with less after taste.
- It can be used to improve product appearance organoleptic properties.

Uncoated Tablets:

- Uncoated Tablets are rougher, may be more difficult to swallow and often leave a bad taste in the mouth swallowed.
- They are generally single layer tablets prepared by single compression of granules or multi-layer tablets consists of parallel layers prepared by compression of granules of different compositions.
- The formulated of uncoated Tablets to be chewed or to effect a slow release and local action of the active ingredient.

Various modified tablets:

1. Sustained release tablets:

- These tables are used to get a sustained action of medicament. These tables when taken orally release drugs at a desired time and maintain the maximum effective concentration of drug in the blood throughout the period of treatment.

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2. Extended release tablets:

- The drug is released slowly over time.
- The advantage of taking pills less often and there maybe fewer side-effects as the levels of the drug in the body are more consistent in extended release formulations.

3. Fast dissolving:

- A tablet that dissolve or disintegrates quickly in the oral cavity upon the contact with saliva, resulting in solution or suspension of administered medicine.

4. Double layered tablet:

These tables consist of two medicaments compressed successively in the same Tablets.