Tablet Coating

5th year students/1st semester
Purposes of tablet coating P.346

Basic apparatus for tablet coating P.347

Components of tablet coating P.347

Tablet Core properties P.347
Coating process  P.348

Equipments used in tablet coating:  P.348-352

(pan coating, fluidized bed coater)

Accessory equipments for coating machine:  P.354

(Baffles, polishing pan, Immersion tube, Spray application system [airless automation, air spray automation]
Steps of sugar coating

• (Sealing, sub-coating, grossing [smoothing], coloring, polishing)

Disadvantages of sugar coating
Film coating  P.359

Materials used in film coating  P.364

- Polymers, Solvents, Plasticizers, Coloring agents

Film Forming Polymers  P.365-366

- Cellulose ether as Hydroxypropyl methyl cellulose [HPMC], Methyl cellulose [MC], Ethyl cellulose [EC], Sodium carboxy methyl cellulose [Na CMC], Poly vinyl pyrrolidine [PVP], Poly ethylene glycol [PEG], methacrylic acid [Eudraget]).
Plasticizer P.368

Glass-transition temp., inclusion of plasticizers, types of plasticizer. P.369-370

Application techniques of film coating: P.362
  • Spray method, ladle method.

Problems associated with film coating: P.371
  • (Picking, Peeling, Bridging, Roughness, Mottling)

Aqueous film coating
Methods of evaluation of film coats
P.363, 370

Sustained release coating
P.372

Enteric coating
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New and recent techniques in tab. Coating
(Specialized coating)
P.372

Compression coating
P.372

Multilayers tablet.
THANK YOU for LISTENING ANY QUESTIONS?