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Experiment No: 6 & 7

Experiment name: Name of excipients used in tablet formulation with their justification & reason of use.

| Type | Example | Purpose |
|----------------------|--------------------------------|---|
| 1) Filler or diluent | Lactose | Increase the size of tablet when the API is so tiny to handle it. |
| 2) Binder | Hydroxypropyl methyl cellulose | It is used to hold the tablet together after tablet has been compressed. |
| 3) Disintegrant | Starch | Help the tablet to break down into small fragments when it is ingested. |
| 4) Glidant | Talc | Help improving flowability of the tablet granules or powder by reducing friction. |
| 5) Antiadherent | Starch | Stop powder from sticking to the punch as the tablet is being made. |
| 6) Lubricant | magnesium stearate | Reduced friction between wall of the tablet & wall of the die when it is ejected. |
| 7) Flavor | Cinnamic aldehyde | Flavouring agent helps to make the tablet taste better. |
| 8) Colorant | Betacyanin | Helps in identification. |
| 9) Buffering agent | Carbonate | To maintain pH. |
| 10) Wetting agent | anionic surfactant | To reduced surface tension. |