

Invention : Property of Cashew Gum as Sustained Release Polymer in Sustained Release Tablet

Patent number: 324792

Patentee : Bhagyashree Tulashidas Chothe.

Details about an Invention-

- A sustained release formulation having drug release profile up to 24 hours.
- This sustained release formulation having drug and some pharmaceutical excipients wherein the formulation is prepared by non-aqueous wet granulation process using isopropyl alcohol as granulating agent.
- In-vitro testing is carried out to know the release criteria of the formulation and at the end of 24 Hours, drug release profile has shown 97.9% bioavailability.
- Microbial load study is carried out for this formulation.
- The formulation was Natural polymer using cashew gum.

Benefits of this Patent-

- ▶ The sustained release was successful till 24 hours of drug release hence it is beneficial to reduce the multi dose, increasing patient compliance.
- ▶ There is no change with bioavailability profile, which is must required for ANDA filling.
- ▶ India is largest producer of cashew nuts, so cashew gum can readily available with minimum cost.
- ▶ Commercial use of cashew gum will be on chip rate.
- ▶ Being natural ingredient there are no any side effects.
- ▶ In coastal region cashew gum is readily available.

Use of this formulation-

- ▶ As this formulation contain Aceclofenac drug which is used as Non Steroidal Anti-inflammatory Drug (NACID), this formulation can be used in **Arthritis** which is most common disease.
- ▶ It is also used in **Inflammation and pain**.
- ▶ There is need of such formulation in market and companies will get benefits out of manufacturing this formulation.

To whom this patent is helpful?

- ▶ Growing Pharmaceutical company can invest in this patent and they will get much more profit by production of this formulation batches as there is need of such formulation in the market.
- ▶ For new growing pharmaceutical companies this patent will be helpful.

THANK YOU