



HPDC

DIRECT COMPRESSIBLE GRANULES OF
CALCIUM CARBONATE



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate



OUR PRODUCT

With DC granules, Himachal Polyolefins Ltd manufacturers various products that are suited for Direct Formulation (Tableting, Capsulation) for Pharmaceutical, Food, Nutraceutical and veterinary industry. These DC granules are simplified Calcium tablets. Capsule production is done due to its special properties like Ease of flow(Improved flowability) and Reduced Dust(Reduced Wastage)along with Decreased Time of Production, Labour, Machines, energy and capital cost which increased the overall stability of the formulation.

With the use of wet granulation, physically large, solid granules are formed from fine or coarse powders, by adding a granulating liquid (with water or without binder).

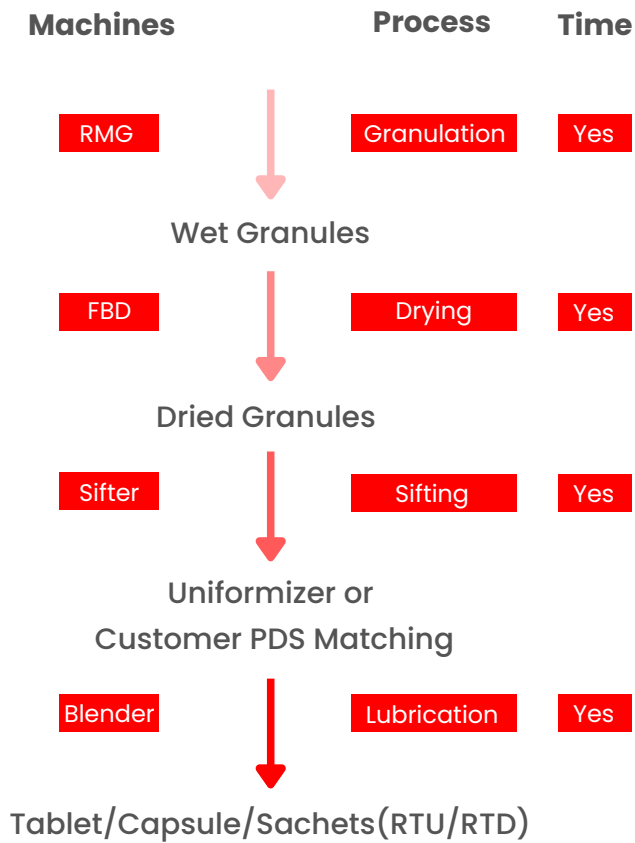
It's proven that for binder granules to have good flowability and good printing properties have maltodextrin (M), corn starch (CS), polyvinylpyrrolidone (PVP) (P), citric acid (CA) and gum arabic (GA).



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate

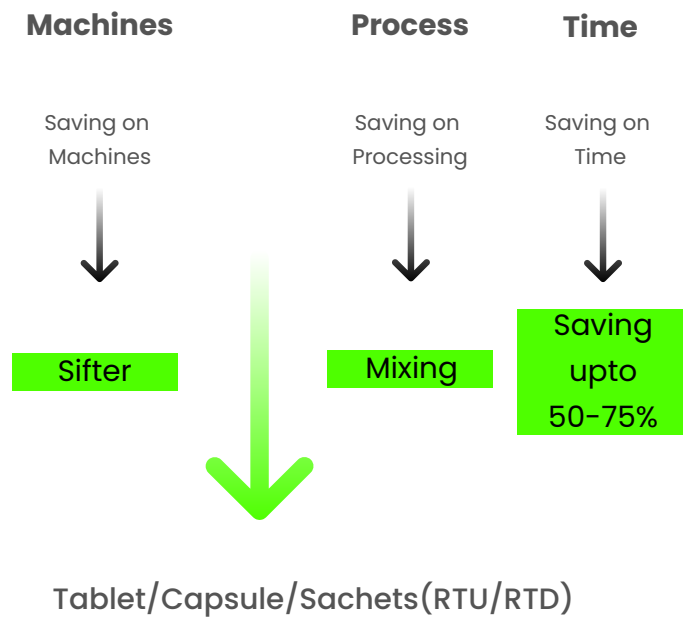


API or Active
+
Water(Solvent)



VS

API or Active +
DC Granules



**Time saving
+
Increased productivity.**



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate



BENEFITS OF DC GRANULES

- Excellent tableting properties(Good compression)
- Excellent capsulation properties
- Improved flowability
- Decrease dust generation(No Fines/No wastage)
- Lower costs, faster processing, lower machine usage



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate

THINK CALCIUM. THINK HIMPOL.

CALCIUM PERFORMANCE MATERIALS

Calcium carbonate, CaCO_3 , is a very reactive antacid which is often used alone or in combination with magnesium compounds. It has a crystalline structure and buffering properties. Our pre-formulated, calcium carbonate products are ready for direct compression with excellent flowability, ensuring good tableting and saving you time and money.

EXPLORE OUR INGREDIENTS BELOW TO DETERMINE WHICH IS RIGHT FOR YOUR FORMULATION

Solving Formulation Challenges

Using HIMACHAL POLYOLEFINS Superior Functional
Materials

DC Granules of Calcium carbonate



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate

With Maltodextrins

Product Name	Description	Tapped Density*	PSD D50 (µm)*	Use
HPDC M90 and HPDC M95	DC calcium carbonate pre-formulated with maltodextrin	1.50	490 - 500	With its high density and compressibility, Ideal for mouth dissolved tablets Dispersible tablets Ready-to-use powder formulas

*Tapped Density and PSD D50 (µm) are not specifications but typical values and range for our products. However, it can be used for swallow, gummies and other tablet forms due to its high compactability.

With Corn starch

Product Name	Description	Tapped Density*	PSD D50 (µm)*	Use
HPDC CS90 and HPDC CS95	DC calcium carbonate pre-formulated with cornstarch	0.85	150- 175	Can be easily combined with many hydrophobic actives and easy to develop Chewable antacid tablets

*Tapped Density and PSD D50 (µm) are not specifications but typical values and range for our products.

BESPOKE

- With polyvinylpyrrolidone (PVP) (P), citric acid (CA) and gum arabic (GA)

*Bespoke Formulation as per customer requirement



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate

PRODUCT PORTFOLIO CALCIUM*

MALTODEXTRINS

- HPDC M95 (Calcium Carbonate 95M)
- HPDC M90 (Calcium Carbonate 90M)

CORN STARCH

- HPDC CS95 (Calcium Carbonate 95CS)
- HPDC CS90 (Calcium Carbonate 90CS)

*Wide range of particle size available.

MODIFICATION OF DC GRANULES BY USAGE OF MICRONIZED RAW MATERIALS OFFERS FURTHER ADVANTAGES

- Combination of micronization and granulation
- Masking of taste
- No Fines/No wastage
- Good flowability
- Good compression properties

RECOMMENDED FOR THE FOLLOWING APPLICATIONS / DOSAGE FORMS

- Tablets
- Chewing tablets
- Chewing gums
- Effervescent tablets
- Coated tablets
- Sachets
- Capsules



Himachal Polyolefins Limited
Manufacturers of Calcium Carbonate

CONTACT US



Office:

21-22, Regency Chambers,
National Library Road,
Near Nandi Theatre,
Bandra(W) Mumbai-400050.



+91-22-62360356 / 1800-1234-89999
9987683652 / 9987705803
/8080804777



esales@limechem.com
info@himpol.com
drpramod@limechem.com
rad@limechem.com



www.himpol.com

