



enhanced
by Omya

Omyapharm[®]

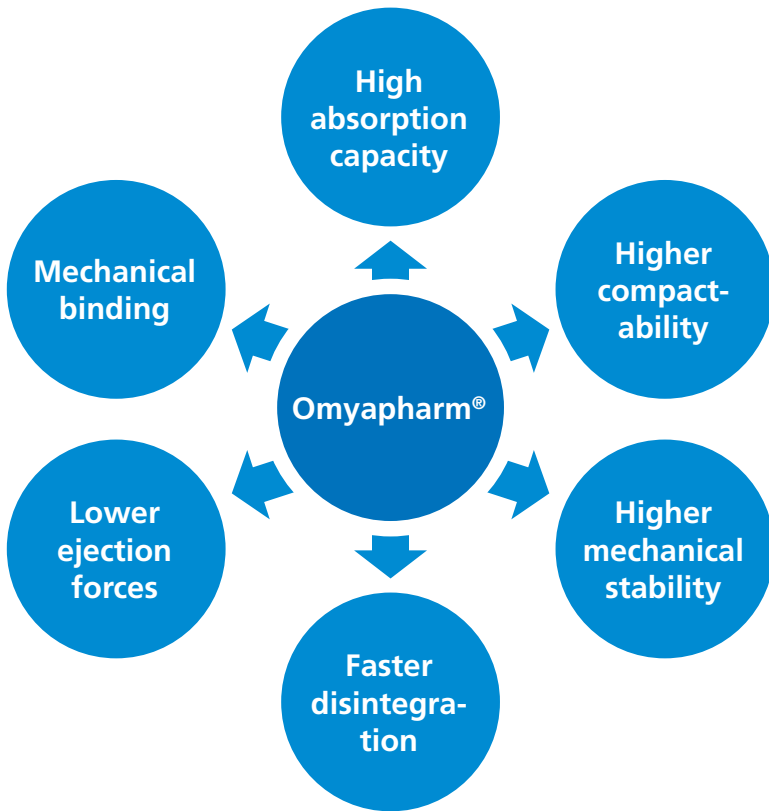
A multifunctional mineral excipient



THINKING OF TOMORROW

Omyapharm® 500 - OG

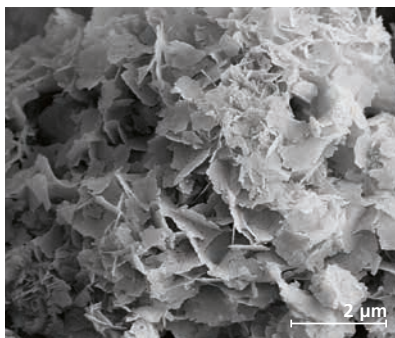
A multifunctional mineral excipient



Features

- Lamellar structure
- Brittle material, plastic behaviour
- Mineral composition
- Monographed components
- High porosity

Carrier



Omyapharm® 500 - OG is a porous compressible carrier composed of calcium carbonate and tribasic calcium phosphate, which can be loaded by impregnation with up to 40% crystalline actives and 55% oils, converting oils into compressible powders.

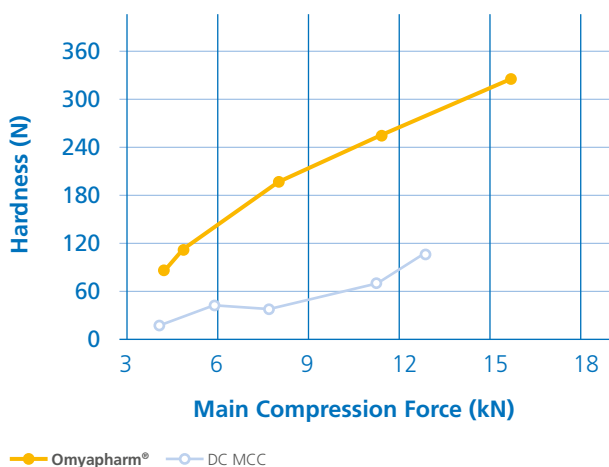
Image: unloaded Omyapharm® carrier

Ingredients	Milled lactose monohydrate	SD milled lactose monohydrate	DC dicalcium phosphate anhydrous	Tricalcium phosphate	Omyapharm®
Oil absorbed (gr/100 gr total weight)	93	111	115	117	150

These values are given for guidance only. Paraffin oil absorption measured by Brabender absorptometer.

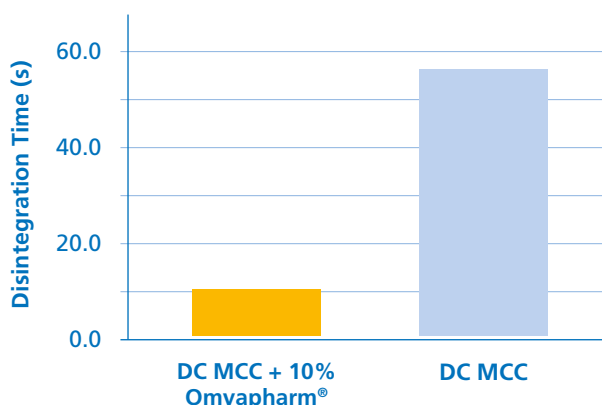
Direct Compression

Compactability 10 mg piroxicam tablets



10% Omyapharm® significantly improves the compaction properties of commercially available DC MCC.

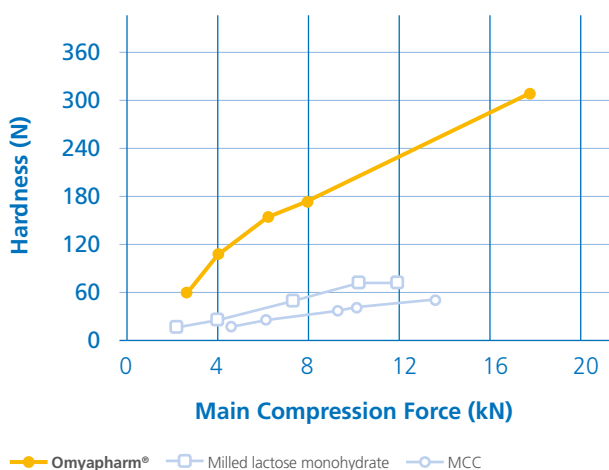
Disintegration 10 mg piroxicam tablets



10% Omyapharm® significantly decreases disintegration time of formulations with DC MCC.

Dry Granulation

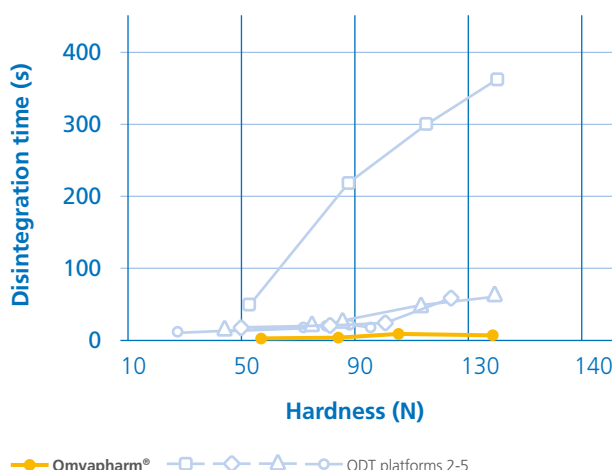
Compactability 1 mg caffeine tablets



Omyapharm® is an excellent filler-binder for dry granulation processes, compactability is significantly better than for other excipients.

ODTs

Disintegration 20 mg caffeine tablets



Omyapharm® formulation can provide disintegration time below 10 seconds independent of tablet hardness.

Product	d50% (µm)	Loose bulk density (g/ml)	Oil absorption (g/100g)
Omyapharm® 500-OG	6.6	0.13	150

These values are for guidance only. D(50) measured by Malvern MS 2000 and Surface area measured by BET method according to ISO 9277.



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OMYA PIGMENTS**

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Source: Omya International (2020/01) EN