



enhanced  
by Omya

# Omyapharm<sup>®</sup>

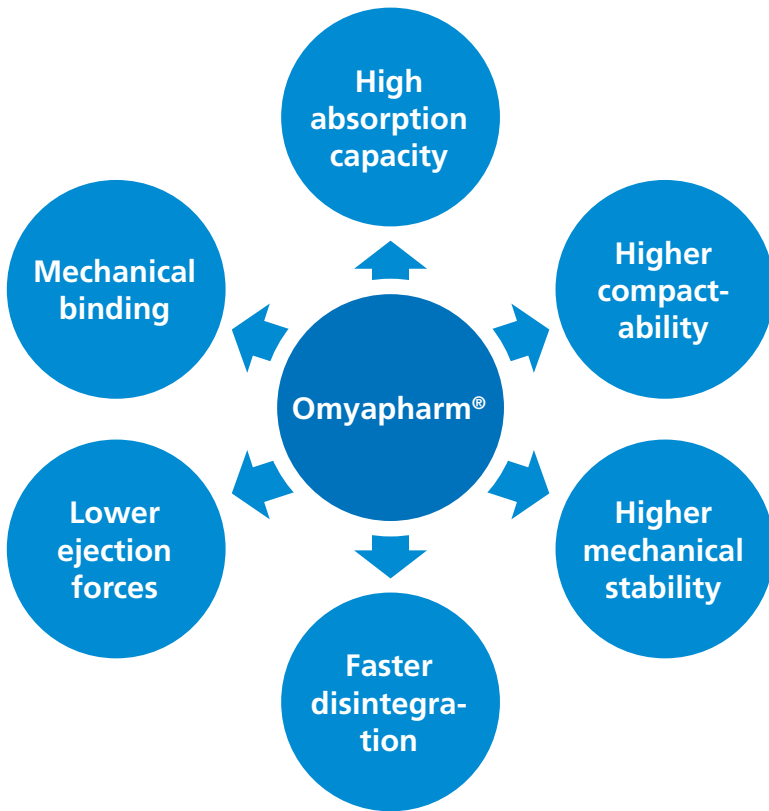
A multifunctional mineral excipient



THINKING OF TOMORROW

# Omyapharm® 500-OG

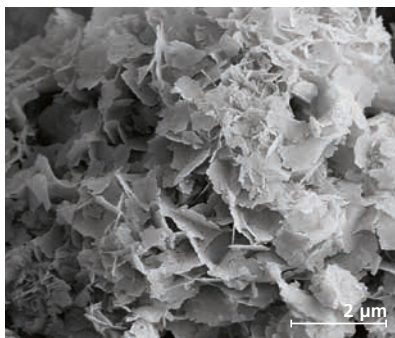
A multifunctional mineral excipient



## Features

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

## 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.

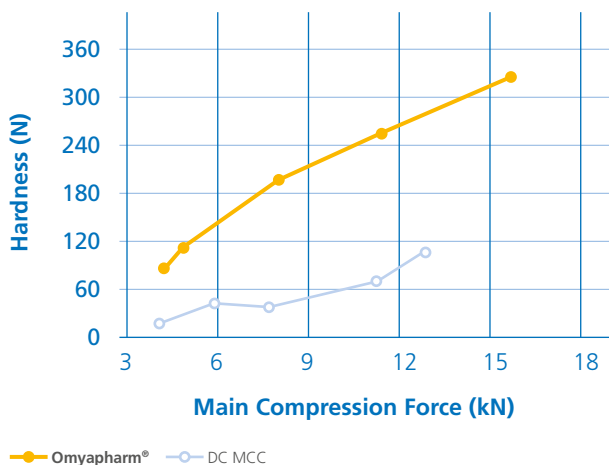
Image: unloaded Omyapharm® carrier

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

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

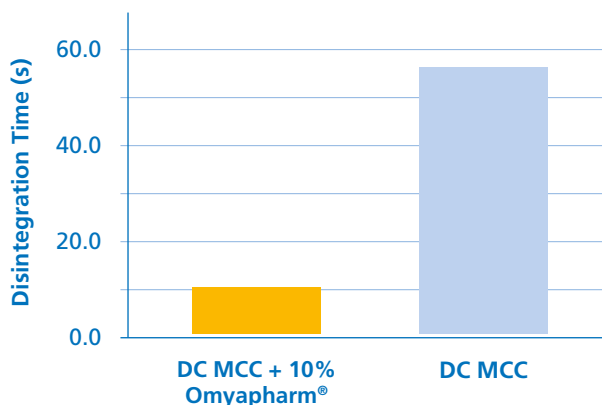
# Direct Compression

Compactability 10 mg piroxicam tablets



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

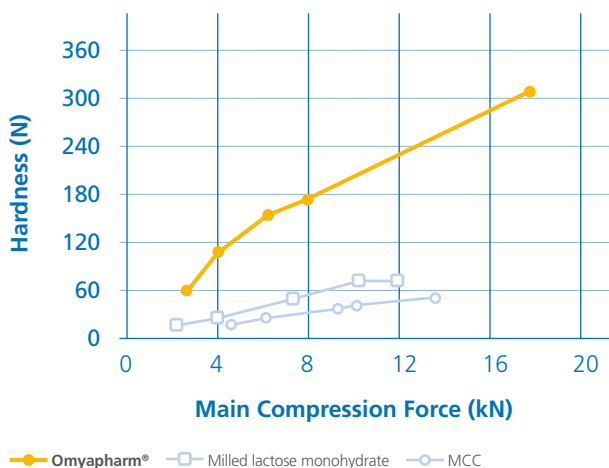
Disintegration 10 mg piroxicam tablets



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

# Dry Granulation

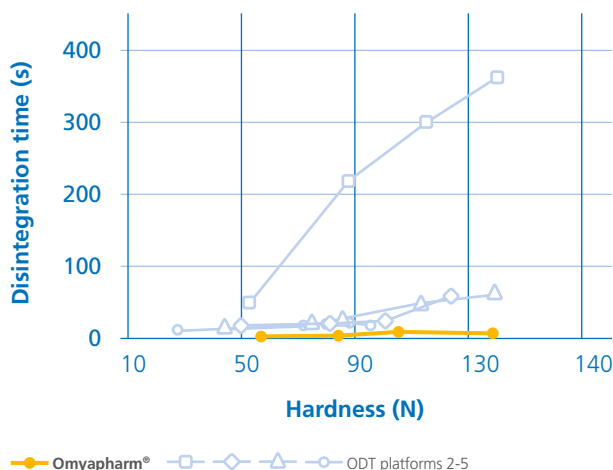
Compactability 1 mg caffeine tablets



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	d(50) (µm)	Surface area (m <sup>2</sup> /g)	Loose bulk density (g/ml)	Oil absorption (g/100g)
Omyapharm® 500-OG	6.6	53	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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Source: Omya International (2018/09) EN