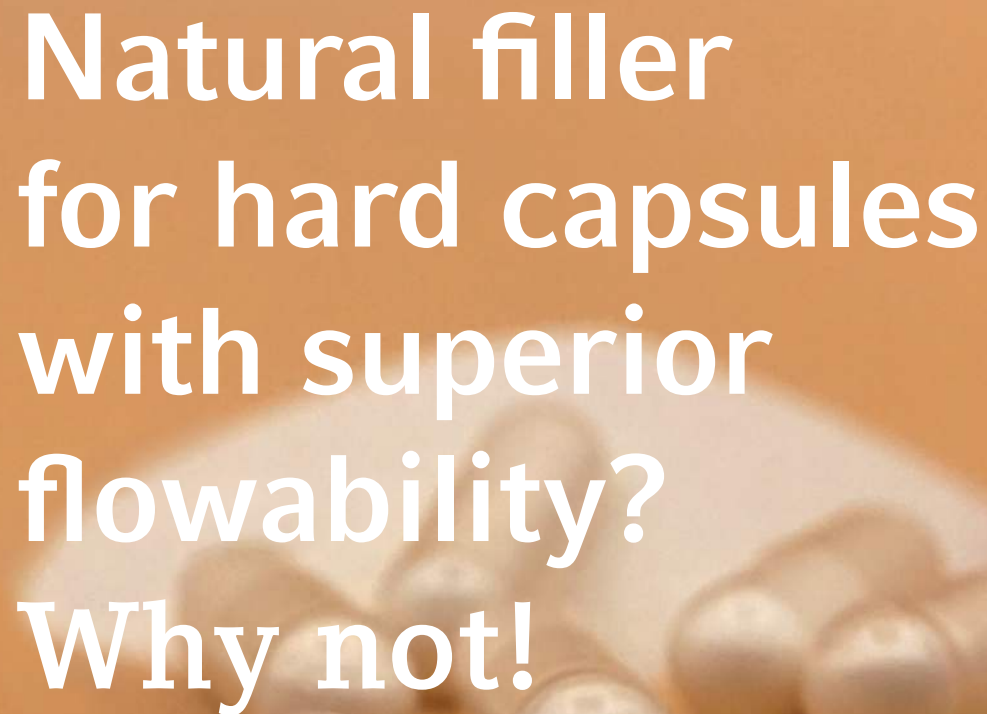


Natural filler  
for hard capsules  
with superior  
flowability?  
Why not!



**Key benefits:**

- Diluent for volume adjustment
- Vegan formulated
- Non sticky
- 100 % Clean label

## Product Information

### CompactCel® FIL

**CompactCel® FIL** is a free-flowing filler premix based on natural ingredients, manufactured using moisture-activated dry granulation. It is designed for hard capsule applications, where active ingredients (API) are often present in small quantities and require precise volume adjustment, dilution and homogeneous distribution. Also suitable for powder filling in sachets, sticks, and jars.

With **CompactCel® FIL**, hard capsules containing very low API dosages can be reliably filled in **one simple blending step**, without the need for additional processing such as granulation or pre-compaction.

#### Why CompactCel® FIL?

The powder premix provides a formulation for volume adjustment that:

- has excellent flowability characteristics
- is non-sticky
- has sufficient cohesion to form stable powder plugs at low compression forces
- reliably carries poorly flowing APIs

Unlike many conventional fillers that only adjust volume, **CompactCel® FIL** actively improves production process robustness and dosing accuracy in hard capsule filling.

#### How does it work?

All components (API, **CompactCel® FIL**, stabilizers, lubricants, etc.) are blended prior to capsule filling.

**CompactCel® FIL** acts as a carrier for the API, transporting even poorly flowing APIs through the process.

This ensures:

- uniform API distribution
- complete capsule filling
- consistent capsule weights
- reliable performance on high-speed capsule filling machines

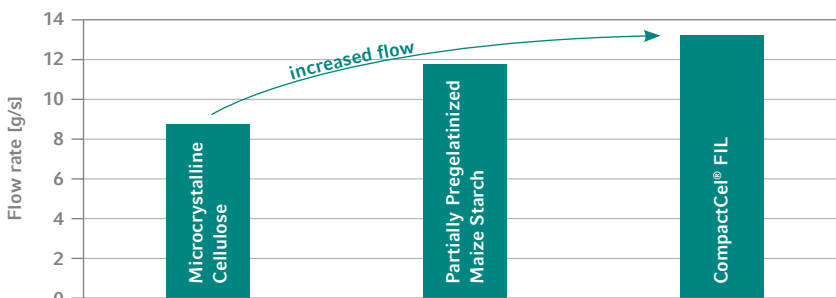
#### What makes CompactCel® FIL special?

Due to its moisture-activated dry granulation, the modified particle surface of the filler results in:

- a fair to good angle of repose of 36°
- a good Hausner ratio
- a larger median particle size

As a result, **CompactCel® FIL** flows almost like sugar crystals – an exceptional performance for a natural, non-synthetic filler.

At the same time, the **vegan composition** makes **CompactCel® FIL** particularly suitable for dietary supplements and nutritional applications where **natural, clean label ingredients** are preferred (organic formulation available upon request).



## General Information

### on BIOGRUND

Since 1999, **BIOGRUND** has been the specialist for the homogeneous mixing of excipients and carriers. With locations in Germany, Switzerland, America and Russia, we support the food supplement and pharmaceutical industry in the development, formulation and production of solid oral dosage forms. The tailor-made and ready-to-use special powder mixtures for film coating, sugar-coating, coloring and tableting enable optimum results in a short time. Easy, fast and reliable!

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