



Excellent excipient
premixes for
clean labeling?
Why not!

Film coating and tableting compounds for solid oral dosage forms. Free of titanium dioxide, silicon dioxide, talc, magnesium stearate, stearic acid, synthetic colors etc ...

Mg Stearate
free

Synthetic Colors
free

TiO₂ free

Film Coating

In general, clean label is a consumer driven movement, demanding a return to real food and transparency through authenticity. For nutritional supplements, this means that they should contain natural, familiar, simple ingredients that are easy to recognize, understand and pronounce.

Therefore, the industry has to look for new excipients & ingredients. No artificial ingredients or synthetic chemicals are in demand for a consumer-friendly labeling. Always remember: Consumers & customers pay attention to the list of ingredients & are well informed. Clean label initiatives establish trust when consumers feel that their products are good for their health and good for the environment.

BIOGRUND is glad to support you in the reformulation of existing formulations and new developments to replace ingredients that are undesired.

From the beginning, we are a member of the Clean Label Alliance, which was developed out of the increasing demand from consumers for cleaner labels on dietary supplements. Savvy consumers have made the connection between food as nutrition and dietary supplements as nutrition, and desire the same clean label as they have for food with dietary supplements.

However, as dietary supplement makers transition to clean labels, some are experiencing production challenges. Leaders within the dietary supplement industry joined forces to collectively serve producers seeking to develop or transition to clean label by providing support and problem-solving solutions. The purpose of the Clean Label Alliance is to offer assistance and guidance to dietary supplement companies by providing top-of-the-line resources and solutions to efficiently produce clean label supplements.

BIOGRUND offers tailor-made solutions for your clean label formulation needs.

NutraPolish® Organic

Fast soluble, clear coating, organic certified

For an improvement in appearance and finish of nutritional supplements (such as extracts, minerals or vitamins). Certified with EU-label for organic food. Free of: Polymers, talc, titanium dioxide, synthetic plasticizers.

The ready-to-use coating formulation for oral solid dosage forms provides a simple and fast aqueous preparation of the powder compound and easy application of the suspension. For an immediate release profile. Coated tablets improve the packaging process because of better slip and no more dust formation. The organic and natural formulas will support your clean labeling strategies (e.g. Non-GMO, Non-Allergen, EU-label for organic food). The clear coating gives your product more brilliance and facilitates a better swallowability. For a more glossy tablet surface.



DE-ÖKO-039



AquaPolish®

Natural colored, free of titanium dioxide (TiO₂)

A wide range of natural colored AquaPolish® film coating formulations without titanium dioxide and iron oxides are available. Results of light stability studies approved that the measured color deviations to the reference tablet (not exposed to sunlight) are within our specification of $\Delta E < 3.50$. Formulated with substitutes for whitening, it is possible to replace TiO₂ without losing the usual opacity and brightness on your product. Also free of talc, synthetic polymers and colors.

Tableting

CompactCel® natural

Dry binder, free of synthetics

Based on fine selected natural ingredients, this dry binder premix for direct compression supports clean label strategies for nutritional products. By using this premix compound, typical tableting ingredients like Hydroxypropyl cellulose or Polyvinylpyrrolidone can be replaced in the core formulation.

CompactCel® organic

Dry binder, free of synthetics

The organic dry binder is certified with the EU- and US-label for organic food and is therefore excellent suited for organic nutritional supplements. The mix of selected organic ingredients increases the hardness and improves the friability of the tablet as well as the compaction. **BIOGRUND** recommends using 2–5% within the core formulation to achieve best results in direct compression processes. With CompactCel® it is possible to produce direct compressed tablets containing excipients and a high content of active ingredients (which are normally incompressible) in one step. A wet granulation step to isolate the active ingredients with an excipient is in most cases not needed.



DE-ÖKO-039

Capsule filling

CompactCel® LUB

Lubricant

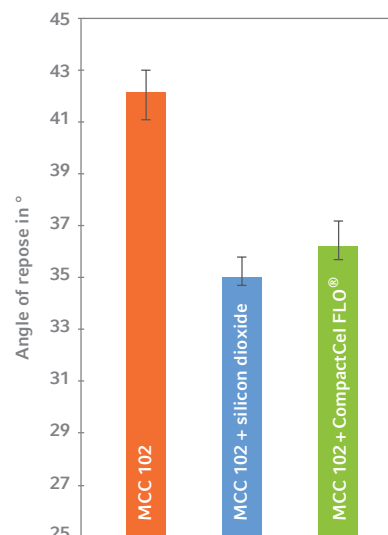
The easy-to-use powder premix of natural ingredients decreases friction at the interface between tablet and die wall, reduces wear on punches and prevents sticking to punch faces. By eliminating magnesium stearate, which is often the cause of many problems with solid oral dosage forms, undesirable side effects can be reduced to a minimum. It can also be used as an alternative to stearic acid. The compound provides a good lubrication without influencing the requirements of the tablet. A fluent compression process will be achieved.

Also for the filling and closing of hard gelatin capsules it acts as an excellent lubricant to achieve a smooth filling process.

CompactCel® FLO

Flow aid, glidant, free of silicon dioxide

A separating agent which loosens up powder mixtures and improves their flowability. It replaces synthetic ingredients like silicon dioxide – for a consumer-friendly label. CompactCel® FLO provides a clean funnel flow of the powder mass to be processed during both tableting process and capsule filling. A formation of bridge during flow from hopper can be avoided.



General Information on BIOGRUND

Since 1999, the **BIOGRUND** Group 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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