

## Latest

### **BIOGRUND @ Vitafoods Europe . Geneva (CH) . 15-17 May 2018**

Meet us at this global nutraceutical event. Visit us on our **booth E74**.

For current topical reasons and accumulating customer enquiries, BIOGRUND is committed to find alternatives for common film coating formulations. Therefore, we developed options for a **titanium dioxide replacement**. The most widely used white pigment titanium dioxide has a very high opacity and brightness. For this reason it has a wide range of applications, from colouring ingredient of pharmaceutical film coating to food application colouring. Come and see our new TiO<sub>2</sub> free formulation in comparison to existing titanium dioxide coating on our booth.

The second focus is on **natural coloured film coating** formulations. We are showing AquaPolish® in a wide range of bright colours made from vegetables, fruits or edible plants. That kind of colouring provides a clean label strategy. The natural coloured AquaPolish® is free of GMO, artificial colours, aluminium and is also available without titanium dioxide, on customer request.

#### **PRODUCT LAUNCH . SAVE THE DATE: 15 May at 11:00, BIOGRUND stand E74**

By serving drinks & snacks, we are releasing a new product for the nutraceutical industry. A new ready-to-use film coating that fully meets the requirements for the use of natural ingredients.

We are looking forward to welcoming you. Please contact us for a meeting:  
by e-mail: [info@biogrund.com](mailto:info@biogrund.com) / by phone: +49 (0) 6126 95263 0



## Seminar

### **Participate in our Coating & Tableting Workshop @ BIOGRUND, Huenstetten (DE)**

On the 6 - 7 November we are organizing an intensive training for our customers. Within the training we focus on ready-to-use film coating systems for solid oral dosage forms, innovative tableting & colouring excipients and hot melt coating. Workshop participants get a detailed insight in colouring tablet surfaces & cores by pigmented powder premixes, improving tablet hardness & friability, as well as flowability of the tablet mass. The hands on training by the use of drum coaters and tablet presses will implement the learned theory. A detailed programme will be available soon.

Register now! Participation, lunch, dinner, social event and drinks are free of charge. Just send us an e-mail to register for this workshop: [info@biogrund.com](mailto:info@biogrund.com)



## Event Review

### BIOGRUND @ many important industry meetings present

In February we participated as a co-exhibitor together with our agent Ricardo Molina at the Nutraceuticals Europe in Madrid. The small show in the heart of Spain was a good chance to meet customers in person. The second event in Spain was the ResearchPharm, co-located to the PBP Worldmeeting in Granada. As sponsor and exhibitor we had a good presence at this event. Meeting the industry experts and university students from all over Europe was the perfect mix for good networking.

In April, we received a great response with our first seminar and exhibition in Cairo, Egypt. During the show PharmaConex (150+ exhibitors / 4,250 attendees), we performed a one day film coating seminar with over 60 attendees.

Upcoming shows where you can meet us in 2018:

Vitafoods Europe (CH) 15-17 May, Maghreb Pharma (DZ) 17-19 Sep, CPhI (ES) 9-11 Oct, Supply Side West (USA) 6-10 Nov, BIOGRUND Coating Seminar (DE) 6-7 Nov



## Products / Development

### CompactCel® FLO - for a better flowability of the tablet mass and silicon dioxide replacement

To be able to achieve the entire performance of today's high speed tableting presses, a good flowing tablet mass is required. The use of a separating agent can be beneficial. Therefore, BIOGRUND developed an excipient premix of different rice additives and phosphat. Adding 2-5% CompactCel® FLO to the tablet mass loosens up the powder and improves the flowability.

For those who want to replace silicon dioxide as a flowing agent, CompactCel® FLO can be used as a good alternative, because the composition was intentionally formulated without silicon dioxide.

The impact of CompactCel® FLO on powder flowability (Angle of repose) of MCC 102 was studied. The measured parameter clearly showed the effects of CompactCel® FLO on the powder cohesivity. It is comparable with the effect of silicon dioxide.

It can be used for nutritional supplements in EU & USA.

