



- > Ultimate opacity for dark tablet cores
- > Brilliant colors
- > No color limitation
- > TiO<sub>2</sub> free

## VIVACOAT<sup>®</sup> free Titanium Dioxide free

### Experience the future of Titanium Dioxide replacement!

Discover bright white films and brilliant colors at reasonable weight gains even on your darkest tablet cores!

Enjoy the freedom of choice when banning TiO<sub>2</sub> from your tablet coatings:

- |                        |                                 |
|------------------------|---------------------------------|
| TiO <sub>2</sub> -free | Low weight gain                 |
| Talcum-free            | High solid content              |
| Free choice of colors  | No limits for dark tablet cores |

The ban of TiO<sub>2</sub> from food products has presented new challenges for nutraceutical companies and their suppliers to reformulate their existing film coating formulations.

TiO<sub>2</sub> provides the best whiteness and opacity with no products offering comparable characteristics.

When developing tablets with thin film coatings, replacing TiO<sub>2</sub> can be extremely difficult. VIVACOAT<sup>®</sup> free provides the best TiO<sub>2</sub> free solution to achieve the preferred tablet color while avoiding additional weight gain.



Tablet core colored with FeOx black

VIVACOAT<sup>®</sup> free white (TiO<sub>2</sub>-free)

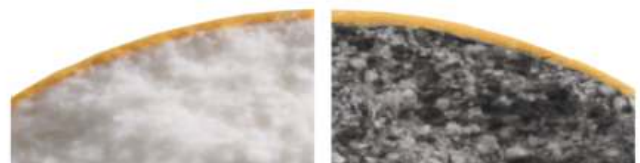
VIVACOAT<sup>®</sup> A white (TiO<sub>2</sub>)



3,0 %

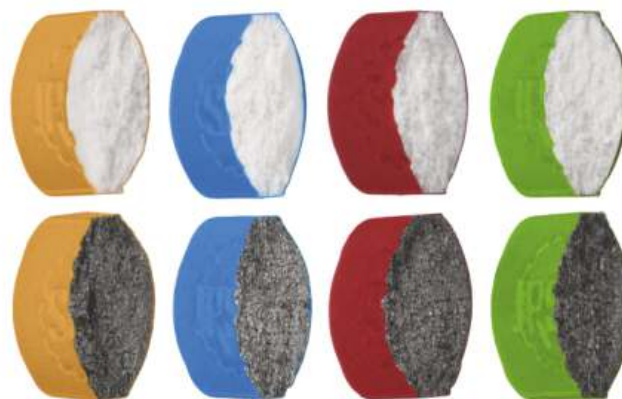


5,0 %



**The key features of VIVACOAT® free are as follows:**

- › Ultimate opacity for dark tablet cores
- › Low weight gain
- › High solid content
- › High logo definition
- › Independence of pH
- › Brilliant colors
- › No color limitation
- › Ready-to-use coating system
- › HPMC based
- › High Adhesion
- › GMO free
- › Palm oil free
- › Talcum free
- › TiO<sub>2</sub> free

**Solid Content 17 %**
**Perfect opacity and brilliant colors at not more than 5 % weight gain.**


	Recon Level [%]	Total Spray Rate [g/min]	Tablet Bed Temp [°C]	Exhaust Temp. [°C]	Total Spray Rate [g/min]	Pan Speed [rpm]
Fully Perforated Pan, Batch size 0.8 kg	15 - 17	67	39 - 41	43 - 45	2 - 3	7 - 9
Conventional Pan, Batch size 2 - 3 kg	15 - 17	n.a.	40 - 42	n.a.	12 - 15	ca. 5
Semi Perforated Pan, Batch size 18 - 20 kg	15 - 17	65 - 70	39 - 41	43 - 45	45 - 50	3 - 4
Fully Perforated Pan, Batch size 18 - 20 kg	15 - 17	60 - 70	38 - 40	40 - 43	50 - 55	3 - 4
Fully Perforated Pan, Batch size 100 - 120 kg	15 - 17	55 - 65	38 - 40	40 - 43	160 - 170	2 - 3
Fully Perforated Pan, Batch size 300 - 400 kg	15 - 17	55 - 65	38 - 40	40 - 43	600 - 700	1 - 2

**Contact us**
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