



SheffCoat™ TF

A new ready-to-use film coating system
without the need for Titanium Dioxide

At Kerry, we recognize the need to continually evolve our film coatings to ensure we meet our customer needs who require market appeal, as well as for ease of regulatory compliance.

Introducing SheffCoat™ TF.

In the global dietary supplement market, consumer demands for cleaner labels continues to drive the development of new and innovative products.

Additionally, regulatory agencies are also increasingly active in ensuring the safety of food additives used in our daily lives. These two factors have put Titanium Dioxide in the spotlight, as safety concerns of this well-known food additive, continue to be at the forefront.

As this ingredient comes under increased consumer and regulatory scrutiny as an additive in food products, it has created a need for a film coating that is free from Titanium Dioxide, for use in dietary & nutritional supplements, as well as pharmaceutical tablets.

SheffCoat™ TF

SheffCoat™ TF is Kerry's new TiO₂ free coating system. It has been developed to match the pleasing aesthetics of a white or colored tablet, that is normally associated with TiO₂ based film coatings.

SheffCoat™ TF has been specifically designed to be applied using conventional mixing and film coating equipment, with minimal changes to typical process conditions and film coat weights. It can be used as a traditional white coating, or customized with synthetic or naturally derived pigments, to create visually appealing colored tablets, without the need for Titanium Dioxide.

SheffCoat™ TF is supplied as ready-to-use powder that is designed to be dispersed in water, using typical mixing times.

All of the components used in SheffCoat™ TF are in compliance for use in dietary & nutritional supplements, as well as pharmaceutical products, in most major markets. However, Kerry's global Regulatory Affairs is available to provide regulatory support at no charge, to ensure your product is in full compliance for its intended use and markets, when formulated with SheffCoat™ TF.

Tablet Examples



Left: SheffCoat™ TF, applied as a 15% dispersion in water to a 6% weight gain at a tablet bed temperature of 42-44°C

Right: SheffCoat™ White, with titanium dioxide, applied as a 15% dispersion in water to a 3% weight gain at a tablet bed temperature of 42-44°C

*SheffCoat™ TF can be customized to meet your colored tablet needs. Contact your Account Manager for more information.

Product	Polymer	% Solids in Water	Typical Weight Gain	Talc Free	Cost Effective	Processing Efficiency	Stability on Typical Multivitamin	Brightness/ Appearance
SheffCoat™ TF 30751440	HPMC	15%	3-5%		★	●	●	●
SheffCoat™ TF 30748439	HPMC	15%	3-5%	X	★	●	●	●
SheffCoat™ TF 30739258	HPMC	15%	3-5%		★	●	●	●
SheffCoat™ TF 30748441	HPMC/HPC	13%	3-5%	X	●	●	★	●
SheffCoat™ TF 30748516*	HPMC/HPC	13%	3-5%	X	●	●	★	●
SheffCoat™ TF 30748443*	HPMC/PVA/HPC	18%	3-5%	X	●	★	●	●
SheffCoat™ TF 30753411	HPMC	20%	3-5%	X	★	★	●	★
SheffCoat™ TF 30754601	PVA	20%	4-6%	X	★	★	●	●

Chart Key: ● Effective ★ Most Effective

Note: * - plasticizer not required

Contact your Kerry Account Representative today for a sample.
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