

Polytrap® 665TO Tocopherol (Vitamin E) Delivery System Technical Data Sheet

Description: A multifunctional delivery system useful in a wide variety of cosmetic and personal care products and formulations. Vitamin E is well-established as an important active for skin health. While widely used, it still maintains significant stability issues that can contribute to reduced functional benefits. Supplied as a free flowing white powder, PT665TO helps improve stability of Vitamin E. PT665TO further enable cosmetic and personal care formulations to provide control sebum development and shine, while providing secondary thickening.

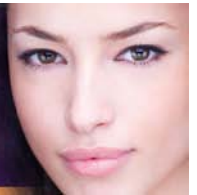
Benefits

- Enables, simple, Tocopherol in all types of personal care products, including gels, emulsions, creams, and loose and pressed powders.
- Provides sebum control reducing shine and extending wear in color cosmetics Enhances emulsion stability
- Improves stability of formulations typically destabilized by acids. such as carbomer gels
- Provides secondary thickening in gels and emulsions

Typical Applications

- ❖ Facial treatments and skin care products including gels, emulsions, and anhydrous products
- ❖ Make-ups and Foundations incorporating skin-care benefits
- ❖ Daily use moisturizers and lotions
- ❖ Exfoliating gels and treatments
- ❖ Loose and pressed powders

Typical Properties	
Composition:	Lauryl Methacrylate Glycol Dimethacrylate Crosspolymer (and) Tocopheryl Acetate
Appearance:	White to yellowish powder
Tocopheryl Acetate:	65 % ± 5.0%
Loss on Drying:	less than 3.0%
Solubility of polymer:	Insoluble



Formulation Tips: Polytrap 665TO can easily be incorporated into a gel or an O/W system by simple powder dispersion techniques. For emulsions, dispersion is best into the aqueous phase or preferably, after the emulsion is formed. The polymer is not sensitive to shear and is able to be processed using standard mixing equipment. After application on the skin, the Vitamin E is available to the skin.

Recommended use levels: 3 -10%.

Storage Recommendations and Shelf-Life:

Store in an enclosed dry area, ranging from 63° - 77° F.

Shelf life: 24 months from date of manufacture in original, unopened container.