

PRODUCT SPECIFICATIONS

Product: **BTD-FS**

INCI Name: Titanium Dioxide (And) Perfluorohexylethyl Triethoxysilane

<u>Test ID</u>	<u>Test Name</u>	<u>Specification</u>			<u>Test Method</u>
		<u>Min</u>	<u>/</u>	<u>Max</u> / <u>Text</u>	
001A	Appearance			White fine powder	Visual
002A	Odor			Slight characteristic odor	Organoleptic
003A	Color			To match standard	Drawdown dispersion in castor oil
010A	Loss on Drying, %	0		1	2hrs. @ 105°C
012B	Microbiology			Total bacterial count < 100/g (ml); Yeast and mold < 100/g (ml); No gram negative or positive	Current USP Microbial Limit Test
033A	Hydrophobicity			Place 1g On 45g water. Shake 10 times. Water remains clear	Shake powder with water in a jar
047A	Lipophobicity			Float 0.5g on 50 ml of mineral oil for more than 1 hour.	
996A	* Notes on Storage			Store under dry conditions and keep containers closed.	
<i>TiO2 meets 21CFR and E-171 specifications</i>					
027M	Arsenic (As), ppm	0		1	ICP-MS Method
029P	Lead (Pb), ppm	0		10	ICP-MS Method
031L	Mercury, ppm	0		1	ICP Method
032H	Antimony, ppm	0		2	ICP-MS Method