

## PRODUCT SPECIFICATIONS

Product: TiO<sub>2</sub>-IR300-11S2

INCI Name: Titanium Dioxide (And) Triethoxycaprylylsilane

<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 Powder, TMS	Visual
002A	Odor			Characteristic, TMS	Organoleptic
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
032H	Antimony, ppm	0		2	ICP-MS Method
033B	Hydrophobicity			0.5 g floats on 50 mL of water for more than 1 hour.	Float powder on water at room temperature
996A	* Notes on Storage			Store under dry conditions and keep containers closed.	
<p><b><i>The TiO<sub>2</sub> prior to surface treatment meets all the applicable regulations and standards for 21CFR and E-171, in addition to the specifications for non-attenuation grade TiO<sub>2</sub> as described in the USP monograph.</i></b></p>					
027G	Arsenic, ppm	0		1	CTFA Method F 1-1, Silver Diethyldithiocarbamate
029B	Lead, (as Pb), ppm	0		10	Weak Acid Extraction AA Method
031C	Mercury, ppm	0		1	AAS