

PRODUCT SPECIFICATIONS

Product: TiO₂-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
033A	Hydrophobicity	Place 1g On 45g water. Shake 10 times. Water remains clear			Shake powder with water in a jar
996A	* Notes on Storage	Store under dry conditions and keep containers closed.			
<p><i>The TiO₂ 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 TiO₂ as described in the USP monograph.</i></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
032H	Antimony, ppm	0		2	ICP-MS Method