

PRODUCT SPECIFICATIONS

Product: TiO₂-IR300-I2

INCI Name: Titanium Dioxide (And) Isopropyl Titanium Triisostearate

Test ID	Test Name	Specification			Test Method
		Min	Max	Text	
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><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

Patent # 4,877,604