

## PRODUCT SPECIFICATIONS

Product: RBTD-671-11S2

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	Similar in character and intensity to standard, practically odorless			Organoleptic
003A	Color	To Match Standard			Drawdown dispersion in castor oil
010A	Loss on Drying, %	0		1	2hrs. @ 105°C
012B	Microbiology	<100 cfu/g Total Bacteria, Mold, Yeast; No Gram Negatives			Current USP Microbial Limit Test
016B	TiO <sub>2</sub> %	94		97	XRF
024J	Particle Size Range, µm	0.18		0.80	Light Scattering Sizer
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
033A	Hydrophobicity	Place 5g On 50g water. Shake 10 times. Water remains clear.			Shake powder with water in a jar
037A	Oil Absorption, g. / 100g.	15		30	ASTM Method D281-84
038A	Apparent Density, gm/cbi	6.50		12.00	CTFA Method C8-2, Scott Volumeter
996A	* Notes on Storage	Store under dry conditions and keep containers closed.			
997A	* Note 2	All the ingredients in this product meet the requirement for that ingredient as specified in 21 CFR.			
997B	* Note 3				
998A	* Note	TiO <sub>2</sub> prior to surface treatment passes USP specifications.			