

PRODUCT SPECIFICATIONS

Product: ZnO-660SS-11S5

INCI Name: Zinc Oxide (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	Fine white to offwhite powder			Visual
002A	Odor	Characteristic			Organoleptic
008H	Zinc Oxide, %	94		99	Ion Chromatography (USP)
010A	Loss on Drying, %	0		1.5	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
017B	Loss on Ignition, %	0		5	3hrs. @ 500°C
033A	Hydrophobicity	Place 1g On 45g water. Shake 10 times. Water remains clear.			Shake powder with water in a jar
036A	Identification	To match standard			IR
037A	Oil Absorption, g. / 100g.	32		50	ASTM Method D281-84
996A	* Notes on Storage	Store under dry conditions and keep containers closed.			
	Heavy Metal(s)				
027F	Arsenic, ppm	0		1	AAS
029H	Lead, ppm	0		10	AAS
998A	* Note	ZnO prior to surface treatment meets USP specifications.			