

PRODUCT SPECIFICATIONS

Product: ZNO-C-DS4

INCI Name: Zinc Oxide (And) Dimethicone

<u>Test ID</u>	<u>Test Name</u>	<u>Specification</u>			<u>Test Method</u>
		<u>Min</u>	<u>/</u>	<u>Max</u>	
001A	Appearance	Fine white to off-white powder			Visual
002A	Odor	Practically none			Organoleptic
008H	Zinc Oxide, %	93.00		99.00	Ion Chromatography (USP)
010A	Loss on Drying, %	0.00		1.50	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
038A	Apparent Density, gm/cbi	-----			CTFA Method C8-2, Scott Volumeter
996A	* Notes on Storage	Store under dry conditions and keep containers closed.			
997A	* Note 2				
998A	* Note	ZnO prior to surface treatment contains 0% particles less than 100 nm by Electron Microscope.			
		<i>ZnO prior to surface treatment meets USP specifications.</i>			
027M	Arsenic (As), ppm	0		1	ICP-MS Method
029P	Lead (Pb), ppm	0		10	ICP-MS Method