

## 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> / <u>Text</u>	
001A	Appearance			Fine white to off-white powder	Visual
002A	Odor			Practically none	Organoleptic
008A	Zinc Oxide, %	93		98	USP Method
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
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.	
998A	* Note			The raw CofA indicates the ZnO prior to surface treatment contains 0% particles less than 100 nm by Electron Microscope.	
				<b><i>ZnO prior to surface treatment meets USP specifications.</i></b>	
027G	Arsenic, ppm	0		1	CTFA Method F 1-1, Silver Diethyldithiocarbamate
029B	Lead, (as Pb), ppm	0		10	Weak Acid Extraction AA Method