

PRODUCT SPECIFICATIONS

Product: ZNO-C-NJE3

INCI Name: Zinc Oxide (And) Jojoba Esters

<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 powder			Visual
002A	Odor	Practically none			Organoleptic
003I	Color	To match standard			Compare drawdown against standard
008A	Zinc Oxide, %	95		98	USP Method
010B	Loss on Drying, %	0.00		1.50	Moisture Balance: 15 min @ 80° 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
033H	Hydrophobicity by Agitation Sample/Std prep: 1g sample in a 125ml Erlenmeyer flask filled with 100ml H2O measured by volumetric flask, magnetically stir at 800rpm for 0.5 hour.	After mixing 0.5hr -H2O is clear or better than std.			After mixing 0.5hr-H2O is clear or better than std
038A	Apparent Density, gm/cbi	6.5		10.5	CTFA Method C8-2, Scott Volumeter
996A	* Notes on Storage	Store under dry conditions and keep containers closed.			
ZnO meets USP specifications prior to surface treatment					
027S	Arsenic ppm	0		2	ICP-AES
029E	Lead, ppm	0		10	ICP-AES