

PRODUCT SPECIFICATIONS

Product: ZNO-C-NOE4

INCI Name: Zinc Oxide (And) Hydrogenated Olive Oil Stearyl 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
008H	Zinc Oxide, %	93		98	Ion Chromatography (USP)
010B	Loss on Drying, %	0		1.5	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			---	CTFA Method C8-2, Scott Volumeter
996A	* Notes on Storage			Store under dry conditions and keep containers closed.	
	<i>ZnO meets USP specifications prior to surface treatment</i>				
027S	Arsenic ppm	0		2	ICP-AES
029E	Lead, ppm	0		10	ICP-AES