

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, %	93.00		98.00	Ion Chromatography (USP)
010A	Loss on Drying, %	0.00		1.50	1 gram sample, 2 hr @ 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
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 for 0.5hr, water is clear or better than std.	After 30 min H2O is clear or better than std
038A	Apparent Density, gm/cbi	6.50		10.50	CTFA Method C8-2, Scott Volumeter
	* Notes on Storage			Store under dry conditions and keep containers closed.	
	Heavy Metal(s)				
	Base pigments			ZnO meets USP specifications prior to surface treatment	
027S	Arsenic ppm	0		2	ICP-AES
029E	Lead, ppm	0		10	ICP-OES

If you have any questions about the information contained within this document, please contact Stephanie Fiallos, tel +1 (908) 941-9108.

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