

Technical Data Sheet

Chemical Name	Zinc Oxide Powder
INCI Name	Zinc Oxide & Dimethicone Methicone Copolymer
CAS No.	1314-13-2 & 68037-59-2
Appearance & Odor	Slightly yellowish powder & Slightly characteristic odor

Specification

Item	Unit	Limit	Test Method
ZnO (Purity)	wt.%	96.0 Min	KS M 6551 ASTM D 3280
Pb (Lead)	ppm	10 Max	KS M 0032(ICP-AES) ASTM D 4075
Cd (Cadmium)	ppm	5 Max	
As (Arsenic)	ppm	10 Max	
Sb (Antimony)	ppm	10 Max	
Hg (Mercury)	ppm	1 Max	
Moisture (105℃)	wt.%	0.30 Max	KS M 6551 ASTM D 280
Ignition loss	wt.%	4.0 Max	KS M 0009
BET(Specific Surface Area)	m ² /g	15 ~ 20	ISO 9277:2010 ASTM C 1251:95
Bulk Density	g/cc	0.35 ~ 0.45	KS D 0036 ASTM B 329 ISO 3923

Characteristics & Application	NZ-DM30 is an Dimethicone Methicone Copolymer surface treated UV filter powder. Primary particle size is less than 40nm. Compositional breakdown for NZ-DM30	
	<u>Ingredient</u>	<u>% of Product</u>
	ZnO	96 Min.
	Dimethicone Methicone Copolymer	4 Max.

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