

Technical Data Sheet

Chemical Name	Zinc Oxide Powder
INCI Name	Zinc Oxide
CAS No.	1314-13-2
Appearance & Odor	White powder

Specification

Item	Unit	Limit	Test Method
ZnO (Purity)	wt.%	99.5 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.%	0.5 Max	KS M 0009
BET(Specific Surface Area)	m2/g	25 ~ 30	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-30 is an UV filter powder. Primary particle size is less than 40nm. Compositional breakdown for NZ-30	
	<u>Ingredient</u> ZnO	<u>% of Product</u> 99.5 Min.

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