

Technical Data Sheet

ZINC OXIDE (ZnO)

GRADE: CR4 USP-2

EverZinc[☆]

1550 Brouillette St.

St-Hyacinthe QC

Canada J2 8

Tel: 450-774-9151

Physical Properties

	Unit	Target	Min.	Max.
Specific Surface Area (USP)	(m ² /g)	4,5	4,0	5,0

Chemical Properties

		Unit	Min.	Max.
Appearance : (USP)	Very fine, oderless, amorphous, white or yellowish white powder, free from gritty particles.		Conforms	
Identification : (USP)	A- When strongly heated, it assumes a yellow color that disappears on cooling. B- The retention time of the zinc peak of the sample solution corresponds to that of the standard solution, as obtained in the assay.		Conforms	Conforms
Alkalinity : (USP)	If a red color is produced, not more than 0.30 mL of 0.10 N hydrochloric acid is required to discharge it.		Conforms	
Loss on ignition : (USP)		(%)	0	1,0
Carbonate and color of solution : (USP)	No effervescence occurs and the resulting solution is clear and colorless.		Conforms	
Arsenic : (USP)	Not more than 6 ppm	(ppm)	0	6,0
Lead : (USP)	No turbidity or precipitate is produced.		Conforms	
Lead : (ASTM D4075)		(ppm)	0	20
Iron and heavy metals : (USP)	White precipitates are formed in both aliquots.		Conforms	
Assay : (USP)		(%)	98,0	102,0
Cadmium : (ASTM D4075)		(ppm)	0	10

Pharmaceutical grade is produced to comply with the most current USP requirements for zinc oxide.

DI0091-2 Version