



(Drug License No. 11 of 2018)
(Food Safety & Drug Administration – Govt. of Uttar Pradesh)



Zinc Oxide IP

TYPICAL PHYSIO-CHEMICAL PROPERTIES

(As per IP-2018)

PROPERTY	UNIT	SPECIFICATIONS
Description	-	A soft white or faintly yellowish white amorphous powder. Free from grittiness. It gradually absorbs carbon dioxide from air.
Assay / Purity	%	99~100.5 %
Identification	-	A –it becomes yellow when strongly heated & yellow colour disappear on cooling B –Dissolve 0.1gm sample in 1.5 ml of 2M HCL & dilute with 5 ml of H ₂ O. The soln gives reaction of zinc salt.
Alkalinity	-	NMT 0.3 ml of 0.1 M HCL requires to discharge the colour of phenolphthalein
Carbonate and colour of solution	-	On dissolving in 2M HCl there should be no effervescence & soln is not more opalescent than opalescence std. OS2 & colour less as per prescribed method.
Arsenic	Ppm max	5.0
Lead	-	Passes the prescribed test for lead.
Iron	Ppm max	400
Loss on Ignition	%	1.0 % Max at 500°C Temp.



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