

Zinc Oxide USP Specification

Sr.No	Test	Specification
1	Description	Soft, white or faintly yellowish–white, amorphous powder, free from gritty particles.
2	Solubility	Practically insoluble in water and in ethanol (96 per cent). It dissolves in dilute mineral acids.
3	Identification by Flame test	Becomes yellow when Strongly heated and yellow colour disappear on cooling.
4	Identification by Zinc	It give reaction of Zinc salt.
5	Arsenic	Not more than 6 ppm
6	Lead	Passes test
7	Iron and other heavy metals	Passes test
8	Alkalinity	Passes test
9	Carbonates and substances insoluble in acids	Passes test
10	Loss on ignition	Not more than 1.0%
11	Assay as ZnO on ignited basis	Not less than 98.00% and not more than 102.00%