

Magnesium Citrate USP Specification

Sr.No	Test	Specification
1	Description	White or almost white, fine, slightly hygroscopic powder.
2	Solubility	Soluble in water, practically insoluble in ethanol (96 per cent). It dissolves in dilute hydrochloric acid.
3	Identification by Magnesium	It gives reaction of Magnesium.
4	Identification by Citrate	It gives reaction of Citrate.
5	Chloride	Not more than 0.05%
6	Sulphate	Not more than 0.20%
7	Arsenic	Not more than 3 ppm
8	Iron	Not more than 200 ppm
9	Calcium	Not more than 1.0% on the dried basis
10	pH	5.0 to 9.0
11	Loss on Drying	Not more than 2.0%
12	Assay – Magnesium (on dried basis)	Not less than 14.50% and not more than 16.40% Mg