

Calamine IP Specification

Sr.No	Test	Specification
1	Description	A fine, amorphous, impalpable, pink or reddish-brown powder.
2	Solubility	Practically insoluble in water. It dissolves with effervescence in hydrochloric acid.
3	Identification by Zinc.	It gives reaction of Zinc.
4	Identification by Iron.	It gives reaction of Iron.
5	Acid-Insoluble Substances	Not more than 1.0%
6	Alkaline Substances	Passes test
7	Water-Soluble Dyes	The filtrate is colourless.
8	Ethanol-Soluble Dyes	The filtrate is colourless.
9	Arsenic	Not more than 8 ppm
10	Lead	Passes the test
11	Calcium	Passes the test
12	Soluble Barium Salts	Passes the test
13	Chlorides	Not more than 750 ppm
14	Sulphates	Not more than 0.6%
15	Loss on Ignition	Not more than 2.0%
16	Assay, calculated as ZnO on ignited basis	Not less than 98.00% and not more than 100.50%