

Monopotassium Phosphate BP Specification

Sr.No	Test	Specification
1	Description	White or almost white, crystalline powder or colourless crystals.
2	Solubility	Freely soluble in water, practically insoluble in ethanol (96 per cent).
3	Identification by Acidity	Solution is slightly acid.
4	Identification by Potassium	It gives reaction of Potassium.
5	Identification by Phosphate	It gives reaction of Phosphate.
6	Appearance of Solution	Solution is clear and colourless.
7	pH	4.2 to 4.5
8	Reducing Substances	The colour of the permanganate is not completely discharged.
9	Chlorides	Not more than 200 ppm
10	Sulfates	Not more than 300 ppm
11	Arsenic	Not more than 2 ppm
11	Iron	Not more than 10 ppm
11	Sodium	Not more than 0.1%
11	Loss on Drying	Not more than 2.0%
11	Assay (On dried substance)	Not less than 98.0% and not more than 100.5%