

Dipotassium Phosphate USP Specification

Sr.No	Test	Specification
1	Description	White or almost white powder or colourless crystals; very hygroscopic.
2	Solubility	Very soluble in water, very slightly soluble in ethanol (96 per cent).
3	Identification by Potassium	It gives reaction of Potassium.
4	Identification by Phosphate	It gives reaction of Phosphate.
5	Insoluble substances	Not more than 0.2%
6	Carbonate	Pass the test
7	Chloride	Not more than 0.03%
8	Sulphate	Not more than 0.1%
9	Arsenic	Not more than 3 ppm
10	Iron	Not more than 30 ppm
11	Sodium	Pass the test
12	Fluoride	Not more than 0.001%
13	Monobasic or Tribasic salt	Pass the test
14	pH	8.5–9.6
15	Loss on drying	Not more than 1.0%
16	Assay (On the dried basis)	Not less than 98.00% to Not more than 100.50%