

Disodium Phosphate Dodecahydrate BP Specification

Sr.No	Test	Specification
1	Description	Colourless, transparent crystals; very efflorescent.
2	Solubility	Freely soluble in water; practically insoluble in ethanol (96 per cent).
3	Identification by Alkalinity	Solution is slightly alkaline.
4	Identification by Loss on Drying	Complies with the test for Loss on Drying.
5	Identification by Sodium	It gives reaction of Sodium.
6	Identification by Phosphate	It gives reaction of phosphate.
7	Appearance of Solution	Solution is clear and colourless.
8	Reducing Substances	The colour of the permanganate is not completely discharged.
9	Monosodium Phosphate	Not more than 2.5%
10	Chlorides	Not more than 200 ppm
11	Sulfates	Not more than 500 ppm
12	Iron	Not more than 20 ppm
13	Loss on Drying	57.00% to 61.00%
14	Assay	Not less than 98.50% and not more than 102.50%