

Potassium Nitrate BP Specification

Sr.No	Test	Specification
1	Description	White or almost white, crystalline powder or colourless crystals.
2	Solubility	Freely soluble in water, very soluble in boiling water, practically insoluble in ethanol (96 per cent).
3	Identification by Nitrates	It give reaction of Nitrates
4	Identification by Potassium	It give reaction of Potassium
5	Appearance of solution	Solution is clear and colourless
6	Acidity or alkalinity	Passes the test
7	Reducible substances	Passes the test
8	Chlorides	Not more than 20 ppm
9	Sulfates	Not more than 150 ppm
10	Ammonium	Not more than 100 ppm
11	Calcium	Not more than 100 ppm
12	Iron	Not more than 20 ppm
13	Sodium	Not more than 0.1%
14	Loss on drying	Not more than 0.5%
15	Assay (On dried basis)	Not less than 99.00% and not more than 101.00%