

Sodium Bicarbonate IP Specification

Sr.No	Test	Specification
1	Description	A white, crystalline powder or small, opaque, monoclinic crystals.
2	Identification A	A pale pink colour is produced. On heating, a gas is evolved and the solution becomes red.
3	Identification – Bicarbonates	Gives reaction (A) of bicarbonates.
4	Identification – Sodium	Gives the reactions of sodium salts.
5	Appearance of Solution	Solution is clear and colourless.
6	Arsenic	Not more than 2 ppm.
7	Calcium	A 2.0% w/v solution, when boiled for 5 minutes, is clear.
8	Heavy Metals	Not more than 5 ppm.
9	Iron	Not more than 20 ppm.
10	Carbonate (pH)	pH of freshly prepared Solution A: Not more than 8.6.
11	Chlorides	Not more than 200 ppm.
12	Sulphates	Not more than 150 ppm.
13	Assay (NaHCO_3)	Not less than 99.0% to Not more than 101.0%.