

Sodium Bicarbonate USP Specification

Sr.No	Test	Specification
1	Identification – Sodium	Meets the requirements.
2	Identification – Bicarbonate	Meets the requirements.
3	Assay (NaHCO ₃)	Not less than 99.0% to Not more than 100.5% on the dried basis.
4	Insoluble Substances	The resulting solution is complete and clear.
5	Carbonate	Not more than 0.23%.
6	Normal Carbonate	The solution does not assume more than a faint pink colour immediately.
7	Chloride and Sulfate – Chloride	Not more than 0.015%.
8	Limit of Sulfur Compounds	Not more than 0.01%.
9	Arsenic	Not more than 2 ppm.
10	Calcium*	Not more than 0.01%.
11	Magnesium*	Not more than 0.004%.
12	Copper*	Not more than 1 ppm.
13	Iron*	Sample absorbance is not more than that of the Standard solution (NMT 5 ppm).
14	Limit of Ammonia	Not more than 20 ppm.
15	Limit of Organics*	Not more than 0.01%.
16	Loss on Drying	Not more than 0.25%.