

## PRODUCT SPECIFICATION SHEET

### Sodium Bicarbonate

USP/FCC Grade

Test	Test Method	USP Grade	FCC Grade
Assay – dry basis	USP	Not less than 99.0% and not more than 100.5% of NaHCO <sub>3</sub>	Not less than 99% NaHCO <sub>3</sub> after drying
Description	-	Sodium Bicarbonate contains not less than 99.0 percent and not more than 100.5 percent of NaHCO <sub>3</sub> calculated on the dried basis.	A white crystalline powder. It is stable in dry air, but slowly decomposes in moist air. Its solutions, when freshly prepared with cold water, without shaking, are alkaline to litmus. The alkalinity increases as the solutions stand, are agitated or are heated.
Identification	USP <191>	Meets the requirements of the tests for sodium and bicarbonate.	A 1 in 10 solution gives positive tests for sodium and for bicarbonate.
Insoluble Substances	USP	Dissolve 1 g in 20 ml of water; the resulting solution is complete and clear.	Passes test
Normal Carbonate	USP	Meets test.	-
Chloride	USP <221>	Not more than 0.015%	-
Limit of Sulfur Compound	USP	Not more than 0.015%	-
Cadmium	ICP	Not more than 0.5 µg/g	-
Lead	ICP	Not more than 0.5 µg/g	Not more than 2 mg/Kg
Arsenic	ICP	Not more than 1.5 µg/g	-
Mercury	ICP	Not more than 1 µg/g	-
Limit of Ammonia	NA	Not more than 20 ppm	-
Loss on Drying	USP <731>	Not more than 0.25%	Not more than 0.25% by weight

Appropriate/legal use of this product is the responsibility of the user.

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