



CHURCH & DWIGHT CO., INC.

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Specification

Church & Dwight Co., Inc. Arm & Hammer™ Sodium Bicarbonate USP Grade 2

Specification

	United States Pharmacopoeia	Food Chemicals Codex
Description	Sodium Bicarbonate contains not less than 99.0 percent and not more than 100.5 percent of NaHCO_3 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	A solution of it responds to the tests for sodium and bicarbonate.	A 1 in 10 solution gives positive tests for sodium and for bicarbonate.
Loss on Drying	Not more than 0.25% of its weight.	Not more than 0.25% by weight
Insoluble Substances	Dissolve 1 g in 20 ml of water; the resulting solution is complete and clear.	Passes test
Normal Carbonate	Meets test.	-
Chloride	Not more than 0.015%	-
Limit of Sulfur Compounds	Not more than 0.015%	-
Arsenic	Not more than 2 ppm	-
Heavy Metals	Not more than 5 ppm	-
Limit of Ammonia	Meets requirements.	Passes test
Residual Solvents	Meets requirements.	-
Assay – dry basis	Not less than 99.0% and not more than 100.5% of NaHCO_3	Not less than 99% NaHCO_3 after drying
Lead	-	Not more than 2 mg/Kg

Granulation (Fine Granular)

Sieve Size (USS)	Microns	Ro-Tap Cumulative % Retained	
		Minimum	Maximum
80	177	0	1
100	149	0	2
200	74	70	100
325	44	90	100

Reviewed: December 27, 2013

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