



Specification

Sodium Bicarbonate ACS/USP

Catalog Number: SB1003
CAS Number: 144-55-8
Molecular Formula: NaHCO₃
Molecular Weight: 84.01
Storage: 15°C – 30°C
Retest Period: Five years from date of manufacture.

Test	Specification
Appearance (ACS)	White crystalline to fine powder
Assay (ACS)	99.7 – 100.3%
Assay (USP)	99.0 – 100.5%
Moisture (LOD)	≤ 0.25%
Insoluble Matter (ACS)	≤ 0.015%
Insoluble Substances (USP)	Complete & clear
Ammonium (ACS)	≤ 5ppm
Ammonium (USP)	≤ 20ppm
Normal Carbonate (USP)	To pass test
Chloride (ACS)	≤ 0.003%
Chloride (USP)	≤ 0.015%
Phosphate (ACS)	≤ 0.001%
Sulfur Compounds (SO ₄ , USP)	≤ 0.015%
Calcium (ACS)	≤ 0.02%
Calcium (USP)	≤ 0.01%
Magnesium (ACS)	≤ 0.004%
Magnesium (USP)	≤ 0.005%
Potassium (ACS)	≤ 0.005%
Heavy Metals (ACS)	≤ 5ppm
Aluminum (USP)	≤ 2µg/g
Arsenic (USP)	≤ 2µg/g
Copper (USP)	≤ 1µg/g
Iron (ACS)	≤ 0.001%
Limit of Organic (USP)	To pass test

Approved:

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