



Specification

Sodium Bicarbonate ACS/USP/FCC/BP/EP/JP

Catalog Number: SB1016
Lot Number: 1220706
CAS Number: 144-55-8
Molecular Formula: NaHCO₃
Molecular Weight: 84.01
Storage: 15°C – 30°C
Retest Period: Five years from the date of manufacture

Test	Specification
Appearance	White crystals
Assay	99.7 – 100.3%
Identification	To pass test
Solubility	Soluble in water, practically insoluble in ethanol
Appearance of solution (5%)	Clear & colorless
pH (5%)	7.9 – 8.4
Moisture (LOD)	≤ 0.25%
Insoluble Matter	≤ 0.015%
Insoluble Substances	Complete & clear
Ammonium	≤ 0.0005%
Carbonate	≤ 0.23%
Normal Carbonate	To pass test
Chloride	≤ 0.003%
Phosphate	≤ 0.001%
Sulfur Compounds (SO ₄)	≤ 0.003%
Heavy Metals	≤ 5ppm
Aluminum	≤ 2μg/g
Arsenic	≤ 2μg/g
Calcium	≤ 0.02%
Copper	≤ 1μg/g
Iron	≤ 5μg/g
Lead	≤ 2mg/kg
Magnesium	≤ 0.005%
Potassium	≤ 0.005%
Limit of Organic	To pass test
Residual Solvents: Solvent other than purified water was not used during production.	

Approved:

John Grubb

Date: September 18, 2018



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