



Certificate of Analysis

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

Catalog Number: SB1016
Lot Number: 0512604
CAS Number: 144-55-8
Molecular Formula: NaHCO₃
Molecular Weight: 84.01
Storage: 15°C – 30°C
Date of Manufacture: September 19, 2015
Retest Date: September 18, 2020

Test	Specification	Result
Appearance	White crystals	Conforms
Assay	99.7 – 100.3%	100.24%
Identification	To pass test	Conforms
Solubility	Soluble in water, practically insoluble in ethanol	Conforms
Appearance of solution (5%)	Clear & colorless	Conforms
pH (5%)	7.9 – 8.4	8.26
Moisture (LOD)	≤ 0.25%	0.08%
Insoluble Matter	≤ 0.015%	0.007%
Ammonium	≤ 0.0005%	< 0.0005%
Carbonate	≤ 0.23%	< 0.23%
Normal Carbonate	To pass test	Conforms
Chloride	≤ 0.003%	< 0.003%
Phosphate	≤ 0.001%	< 0.001%
Sulfur Compounds (SO ₄)	≤ 0.003%	< 0.003%
Heavy Metals	≤ 5ppm	< 5ppm
Aluminum	≤ 5ppm	< 5ppm
Arsenic	≤ 2ppm	< 0.001%
Calcium	≤ 0.02%	0.0027%
Copper	≤ 1ppm	< 0.3ppm
Iron	≤ 5ppm	< 5ppm
Lead	≤ 2ppm	< 0.5ppm
Magnesium	≤ 0.005%	0.0003%
Potassium	≤ 0.005%	0.0036%
Residual Solvents: Solvent other than purified water was not used during production.		

Approved by:

Date: May 13, 2016



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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