



Certificate of Analysis

Sodium Bicarbonate ACS/USP

Catalog Number: SB1003
Lot Number: 1220706
CAS Number: 144-55-8
Molecular Formula: NaHCO₃
Molecular Weight: 84.01
Storage: 15°C – 30°C
Date of Manufacture: March 11, 2016
Retest Date: March 10, 2021

Test	Specification	Result
Appearance (ACS)	White crystalline to fine powder	Conforms
Assay (ACS)	99.7 – 100.3%	100.24%
Assay (USP)	99.0 – 100.5%	100.24%
Moisture (LOD)	≤ 0.25%	0.08%
Insoluble Matter (ACS)	≤ 0.015%	0.007%
Insoluble Substances (USP)	Complete & clear	Conforms
Ammonium (ACS)	≤ 5ppm	< 5ppm
Ammonium (USP)	≤ 20ppm	< 5ppm
Normal Carbonate (USP)	To pass test	Conforms
Chloride (ACS)	≤ 0.003%	< 0.003%
Chloride (USP)	≤ 0.015%	< 0.003%
Phosphate (ACS)	≤ 0.001%	< 0.001%
Sulfur Compounds (SO ₄ , USP)	≤ 0.015%	< 0.003%
Calcium (ACS)	≤ 0.02%	< 0.02%
Calcium (USP)	≤ 0.01%	0.0027%
Magnesium (ACS)	≤ 0.004%	0.0003%
Magnesium (USP)	≤ 0.005%	0.0003%
Potassium (ACS)	≤ 0.005%	0.0036%
Heavy Metals (ACS)	≤ 5ppm	< 5ppm
Aluminum (USP)	≤ 2μg/g	0.5μg/g
Arsenic (USP)	≤ 2μg/g	< 2μg/g
Copper (USP)	≤ 1μg/g	0.3μg/g
Iron (ACS/USP)	≤ 5ppm	< 5ppm
Limit of Organic (USP)	To pass test	Conforms

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC

Date: April 16, 2019



Gojira Fine Chemicals, LLC

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