
Technical Data

Sodium Bicarbonate

Coarse Granular No. 5

Formula	NaHCO ₃
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Molecular Weight	84.01
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Chemical Abstract Services

Name	Carbonic Acid Monosodium Salt
Number	144-55-8

Particle Size Distribution

Screen Size	Cumulative % Retained	
	Minimum	Maximum
USS 60 (250 μm)	0	30
USS 100 (150 μm)	50	100
USS 170 (90 μm)	90	100

General Properties

Typical bulk density, lb/ft ³ (kg/m ³)	66 (1058)
Particle density, g/cm ³	2.22
pH of 1% solution @ 25°C (77°F)	8.3
Appearance	White crystalline powder
Thermal decomposition	Decomposes (without melting) into Na ₂ CO ₃ , H ₂ O, and CO ₂

Chemical Specifications

	Specification	
Assay (dry basis)	99.0% - 100.5%	99% minimum
Loss on drying	0.25% max	0.25% max

Standard Containers

Bulk hopper cars and trucks, Super Saks

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