

## Technical Data

# Sodium Bicarbonate

## No. 1 Treated Free Flowing

With Tricalcium Phosphate (Food Grade) added

<b>Formula</b>	NaHCO <sub>3</sub>
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<b>Molecular Weight</b>	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 100 (150 μm)	0	2
USS 200 (75 μm)	20	45
USS 325 (45 μm)	60	100

**General Properties**

Typical bulk density, lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	67 (1073)
Particle density, g/cm <sup>3</sup>	2.22
pH of 1% solution @ 25°C (77°F)	8.3
Appearance	White crystalline powder
Thermal decomposition	Decomposes (without melting) into Na <sub>2</sub> CO <sub>3</sub> , H <sub>2</sub> O, and CO <sub>2</sub>

**General Chemical Properties**

	Food Grade Specifications
Assay (dry basis)	99.0% - 100.5%
Loss on drying	0.25% max
Ammonia	Passes FCC test
Arsenic	3 ppm max (as As)
Heavy metals	5 ppm max (as Pb)
Identification	Positive in FCC tests for sodium and bicarbonate
Quality	Individually the components, Sodium Bicarbonate and Tricalcium Phosphate, meet the FCC requirements.

<b>Standard Containers</b>	50 lb (22.7 kg) bags One ton super sacks Bulk hopper cars and trucks
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