

Technical Data

Sodium Bicarbonate

No. 1 Treated Free Flowing

With Tricalcium Phosphate (Food Grade) added

Formula	NaHCO ₃
----------------	--------------------

Molecular Weight	84.01
-------------------------	-------

Chemical Abstract Services	
Name	Carbonic Acid Monosodium Salt
Number	144-55-8

Particle Size Distribution		
	Cumulative % Retained	
Screen Size	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 ³ (kg/m ³)	67 (1073)
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

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.

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

The information contained herein is, to our knowledge, true and accurate. Because conditions of use are beyond our control, we make no warranty or representation, expressed or implied, except that the products discussed herein conform to the chemical descriptions shown on their labels. Nothing contained herein should be construed as permission or recommendation to infringe any patent. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice.