

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		
	Minimum	Cumulative % Retained Maximum
Screen Size		
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		
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.