

ETI Soda

Food grade Sodium Bicarbonate Specifications

Chemical Name: Sodium Bicarbonate
 Formula: NaHCO_3
 Molecular Weight: 84.01
 Origin: Natural Trona Ore
 Synonyms: Sodium Hydrogen Carbonate; Sodium Acid Carbonate; Baking Soda; Bicarbonate of Soda

Chemical Specifications:

NaHCO_3	%	99.3 min
Na_2CO_3	%	0.5 max
Cl^-	mg/kg	250 max
SO_4^{-2}	mg/kg	300 max
Water Insolubles	mg/kg	500 max
Pb/Lead	ppm	0.1 max
As/Arsenic	ppm	0.1 max
Hg/Mercury	ppm	0.1 max
Fe/Total Fe	ppm	10 max
Moisture	%	0.05 max
Solubility	g/100 ml su	15.6 (60°C)
	(g/100 ml water)	9.55 (20°C)
		5.55 (0°C)
pH	1 % solution	8,0-8.6

Physical Properties:

Bulk Density	g/cm ³	0.75-1.15
Whiteness	%	L*=95 min. (CIE Lab)
Appearance	Visual	White crystalline masses, crystalline powder
Solubility		Soluble in water. Insoluble in ethanol
Particle Size		
+75 micron	%	20-90
+45 micron	%	60-100

Microbiological Properties:

Salmonella	kob/25 g	0
Enterobacteria	kob/g	Max 5x10 ²
Mould-yeast	kob/g	Max 1000

Dioxins/Sum of dioxins and dioxin-like PCBs:

Dioxins	ng/kg	max 0.1
Sum of dioxins and dioxin-like PCBs	ng/kg	max 1.0



Storage Conditions:

- Should be stored in a covered warehouse, preferably lower than 30°C and 50% relative humidity and well-ventilated
- Not recommended to store more than one pallet on other
- The shelf life is 2 years

Human Health Effects:

- Do not contain GMO
- There is no feature of allergen