

FOOD GRADE SODIUM BICARBONATE SPECIFICATIONS

Chemical Name	: Sodium Bicarbonate
Formül / Formula	: NaHCO ₃
Molecular Weight	: 84.01 CAS No : 144-55-8
EINECS No	: 205-633-8

Chemical Specifications:		
		Specification
NaHCO ₃	%	99.3 min
Na ₂ CO 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(Toplam) /Total Fe	ppm	10 max.
Humidity	%	0.05 max
Solubility	(g/100 ml water)	15.6(60°C) 9.55(20°C) 5.55(0°C)
pH	1% solution	8.0-8.6
Test for sodium		Passes test
Test for carbonate		Passes test
Loss on drying		Not more than 0,25 % (over silica gel, 4 hours)
Ammonium salts		No odour of ammonia detectable after heating

Physical Properties		
		Specification
Bulk Density	g/cm ³	0.75-1.15
Whitness	%	L* = 95 min. (CIE Lab)
Appearance	visual	Free flowing white powder
Solubility		Soluble in water. Insoluble in ethanol.
Particle Size		
+75 micron (µm)	%	20-90
+45micron (µm)	%	60-100

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

Microbiological Properties		
		Specification
Salmonella	kob / 25	0
Entero-bacteria	kob / g	max 5x10 ²
Mould-yeast	kob / g	max 1000

Standard Packages

- 25 kg polyethylene (PE) FFS bags.
- 1 ton polypropilen (PP) bigbag with inner lining.

Storage Conditions

- Must 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 of the product is 2 years.

Human Health Effect

- Do not contain GMO
- There is no feature of allergen
- There is no consumer group designated

Uses

- Baking powders
- Cake, doughnut, pancake, cookies additives İçecekler / Beverages
- Dentifrices

Transportation

- Truck
- Ship

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QA/QC & HSE MANAGER	MANAGEMENT REPRESENTATIVE	VICE GENERAL MANAGER

Specifications defined above are valid for the products kept in suitable conditions and not further processed. Please check the Material Safety Data Sheet for detailed information, handling and safety details.