



SODIUM BICARBONATE (TECHNICAL GRADE)

Chemical Name	Sodium Bicarbonate
Chemical Formula	NaHCO ₃
Molecular Weight	84.01 g/mol
CAS No	144-55-8
EC No	205-633-8
Origin	Natural Trona Ore
Synonyms	Sodium Hydrogen Carbonate, Sodium Acid Carbonate, Baking Soda

Chemical Properties

Parameter	Specification
NaHCO ₃	99.1 % min
Na ₂ CO ₃	0.7 % max
Cl ⁻	700 mg/kg max
SO ₄ ²⁻	300 mg/kg max
Water Insoluble Matter	500 mg/kg max
Pb / Lead	0.1 ppm max
As / Arsenic	0.1 ppm max
Hg / Mercury	0.1 ppm max
Cd / Cadmium	0.1 ppm max
Fe (Total)	10.0 ppm max
pH (25 °C, 1% m/V solution)	8.0 – 8.6



BORTECH
DIS TICARET LIMITED SIRKETI

Physical Properties

Parameter	Specification
Bulk Density	0.95 – 1.25 g/cm ³
Whiteness	L* = 95% (CIE Lab) min
Appearance	Free-flowing, white, crystalline powder
Particle Size (+75 µm)	20 – 90 %
Particle Size (+45 µm)	60 – 100 %