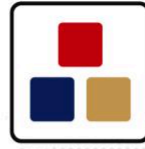


SODIUM BICARBONATE (FEED GRADE)

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	99.3% min
Na ₂ CO ₃	0.5% 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
F / Fluorine	150 ppm max
Solubility (60 °C)	15.60 g/100 ml water
Solubility (20 °C)	9.55 g/100 ml water
Solubility (0 °C)	5.55 g/100 ml water
pH (25 °C, 1% m/V solution)	8.0 – 8.6
Loss on Drying (over silica gel, 4 hours)	≤ 0.25 %



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Physical Properties

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

Dioxins

Parameter	Specification
Dioxin	0.5 ng WHO-PCDD/F-TEQ/kg max
Sum of Dioxins and Dioxin-like PCBs	1.0 ng WHO-PCDD/F-PCB-TEQ/kg max
Dioxin-like PCBs	0.35 ng WHO-PCB-TEQ/kg max
Non-dioxin-like PCBs	10.0 µg/kg max