



Technical Data Sheet (TDS)
Sodium Bicarbonate (Feed Grade)

Chemical Name	Sodium Bicarbonate
Chemical Formula	NaHCO ₃
Cas No	144-55-8
EC No	205-633-8

Chemical Properties

Parameter	Specification
NaHCO ₃	99.3 min %
Na ₂ CO ₃	0.5 max %
Cl ⁻	700 max mg/kg
SO ₄ ²⁻	300 max mg/kg
Water Insoluble Matter	500 max mg/kg
Pb / Lead	0.1 max ppm
As / Arsenic	0.1 max ppm
Hg / Mercury	0.1 max ppm
Cd / Cadmium	0.1 max ppm
Fe (Total)	10.0 max ppm
F / Fluorine	150 max ppm
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 %

BORTERA KİMYA VE TİCARET LİMİTED ŞİRKETİ

Seyrantepe Mahallesi, Altınay Caddesi No: 90, Seyran Apartmanı, İc Kapi No: 12 34418 Kagithane/İstanbul

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

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