



Technical Data Sheet (TDS)
Soda Ash Dense

Chemical Name	Soda Ash
Chemical Formula	Na ₂ CO ₃
Cas No	497-19-8
EC No	207-838-8

Chemical Properties

Parameter	Specification
Na ₂ CO ₃	99.5 min %
Na ₂ O	58.2 min %
NaCl	0.1 max %
Na ₂ SO ₄	0.1 max %
Fe (Total)	10.0 max µg/g
Water Insoluble Matter	0.05 max %
As / Arsenic	1.0 max ppm
Pb / Lead	1.0 max ppm
Hg / Mercury	0.1 max ppm
Cd / Cadmium	2.0 max ppm
F / Fluorine	150 max ppm
Solubility (100 °C)	45.5 g/100 ml
Solubility (35.37 °C)	49.5 g/100 ml
Solubility (0 °C)	7.0 g/100 ml
pH (25 °C, 1% m/V solution)	11.4
Test for Sodium	Passes Test
Test for Carbonate	Passes Test
Loss on Heating (at 260 °C)	0.5 max %

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 – 1.15 g/cm ³
Whiteness	L* = 95 (CIE Lab) min %
Appearance	Colourless crystals or white, granular or crystalline powder
Solubility	Soluble in water, insoluble in ethanol
Particle Size (+600 µm)	5.0 max %
Particle Size (+150 µm)	88.0 min %
Particle Size (–75 µm)	5.0 max %



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