



Technical Data Sheet (TDS)  
**Sodium Carbonate (Soda Ash) Dense**

<b>Chemical Name</b>	Sodium Carbonate (Soda Ash) Dense
<b>Chemical Formula</b>	Na <sub>2</sub> CO <sub>3</sub>
<b>Cas No</b>	497-19-8
<b>EC No</b>	207-838-8

**Chemical Properties**

<b>Parameter</b>	<b>Specification</b>
Na <sub>2</sub> CO <sub>3</sub>	99.5 min %
Na <sub>2</sub> O	58.2 min %
NaCl	0.1 max %
Na <sub>2</sub> SO <sub>4</sub>	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 <sup>3</sup>
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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