



## SODA ASH - SODIUM CARBONATE DENSE

<b>Chemical Name</b>	Sodium Carbonate Anhydrous
<b>Chemical Formula</b>	Na <sub>2</sub> CO <sub>3</sub>
<b>Molecular Weight</b>	105,99 g/mol
<b>CAS No</b>	497-19-8
<b>EC No</b>	207-838-8
<b>Origin</b>	Natural Trona Ore
<b>Synonyms</b>	Soda Ash Dense

### Chemical Properties

Parameter	Specification
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 µg/g max
Water Insoluble Matter	0.05% max
As / Arsenic	1.0 ppm max
Pb / Lead	1.0 ppm max
Hg / Mercury	0.1 ppm max
Cd / Cadmium	2.0 ppm max
F / Fluorine	150 ppm max
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



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### Physical Properties

Parameter	Specification
<b>Bulk Density</b>	0.95 – 1.15 g/cm <sup>3</sup>
<b>Whiteness</b>	L* = 95% (CIE Lab) min
<b>Appearance</b>	Colourless crystals or white, granular or crystalline powder
<b>Solubility</b>	Soluble in water, insoluble in ethanol
<b>Particle Size (+600 µm)</b>	5.0% max
<b>Particle Size (+150 µm)</b>	88.0% min
<b>Particle Size (–75 µm)</b>	5.0% max