

Soda ash dense

rev09 – 05.11.2024

CAS N°: 497-19-8

EINECS N°: 207-838-8

Origin: Natural Trone Ore

Molecular weight: 105,99g/mol

Chemical Specifications

Sodium carbonate (Na ₂ CO ₃)	99.5% mín.	Arsenic	1.0 ppm máx.
Sodium oxide (Na ₂ O)	58.2% mín.	Lead (Pb)	1.0 ppm máx.
Sodium chloride (NaCl)	0.1% máx.	Mercury (Hg)	1.0 ppm máx.
Sodium sulfate (Na ₂ SO ₄)	0.1% máx.	pH	11.4 (1% solution)
Iron (Fe)	10 µg/g máx.	Solubility	45.5 g/100ml water (100°C)
Water insolubles	0.05% máx.		49.5 g/100ml water (35.37°C)
			7 g/100ml water (0°C)

Physical properties

Bulk density	0.95 - 1.15 g/cm ³	Appearance	Colourless crystals or white granular or crystalline powder.
Whiteness	L* = 95% min. (CIE Lab)		

* soluble in water, insoluble in ethanol

Granulometry

Particle size			
+ 600 mikrons	5% máx.	-75 mikrons	5% máx.
+ 150 mikrons	88% mín. (típical 90%)		

* Must be stored in a covered warehouse, preferably lower than 30°C and 85% relative humidity and well-ventilated warehouse.

* Not recommended to store more than one pallet on other

* Uses: glass, chemicals, soap and detergents, pulp and paper, flue gas desulfuration, water and water treatment..