

CASNº: 497-19-8

EINECSNº: 207-838-8

Origin: Natural Trone Ore

Molecular weight: 105,99g/mol

Chemical Specifications

Sodium carbonate (Na_2CO_3)	99.5 min
Sodium oxide (Na_2O)	58.2% mix
Sodium chloride (NaCl)	0.1% max
Sodium sulfate (Na_2SO_4)	0.1% max
Water insolubles	0.05% máx
Iron (Fe)	10.0 $\mu\text{g/g}$ max

Arsenic (As)	1.0 ppm máx.
Lead (Pb)	1.0 ppm máx
Mercury (Hg)	1.0 ppm máx
pH	11.4 (1% solution)

Physical properties

Bulk density	0.95-1.15 g/cm^3
Whiteness * Soluble in water, insoluble in ethenol	$L^* = 95\%$ min. (QELab)
Appearance	Crystalline powder

Solubility

	45.5g (100°C)
Solubility (g/100ml water)	49.5g (35.37°C)
	7g (0°C)

Granulometry

Particle size

+600 mikrons (μm)	5% máx.
+150 mikrons (μm)	88% mín (tipical 90%)

-75 mikrons (μm)	5% max.
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- Must be stored in a covered warehouse, preferably lower tan 30°C and 85% relative humidity and well-ventilated warehouse.
- Not recommended to store more tan one pallet on other
- Uses: glass, chemicals, soap and detergents, pulp and paper, flue gas desulfuration, wáter and wáter treatment.
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