

Technical data

OptiPro

Industrial Grade Soda Ash

CAS No. 497-19-8

Chemical Name Sodium Carbonate, anhydrous

CAS Name Disodium carbonate

Formula Na₂CO₃

Molecular Weight 105.99

Physical Properties

Typical Range

Bulk Density:	lb/ft ³	43 - 52
	g/cm ³	0.69 – 0.83

Screen analysis, cumulative wt %

On	US	40 (425 μm)	5 - 35
	US	100 (150 μm)	65 - 90
Thru	US	200 (75 μm)	0 - 10

Chemical Properties

	Typical	Specification
Na ₂ O, wt %	58.2	57.9 min
Na ₂ CO ₃ , wt %	99.5	99.0 min
Na ₂ SO ₄ , %	0.04	0.10 max
NaCl, %	0.03	0.10 max
Fe ₂ O ₃ , ppm	7	20 max

General Properties

Description	white granular solid
Melting point, °C (°F)	851 (1564)
Solubility, max % @ 35.4°C	33.2
pH, 1% solution @ 25°C	11.4

Standard Containers Bulk hopper cars and trucks

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