

Technical data

WE Soda Washed Grade 160 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	Specification
Bulk Density: lb/ft ³	59	50 - 70
Particle Density, g/cm ³	1.826	
Particle Shape	Needle-like	
Screen analysis, cumulative wt %		
On US 30(600 μm)	1	
US 40(425 μm)	8	30 max
US 100(150 μm)	85	
Thru US 200(75 μm)	2	6 max

Chemical Properties

	Typical	Specification
Na ₂ O, wt %	58.4	58.0 min
Na ₂ CO ₃ , wt %	99.8	99.2 min
Na ₂ SO ₄ , ppm	100	1500 max
NaCl, ppm	175	325 max
Fe ₂ O ₃ , ppm	5	15 max
Calcium, as Ca, ppm	80	120 max
Magnesium, as Mg, ppm	40	120 max
Water Insolubles, wt %	0.01	0.03 max
Ignition loss, wt %	0.1	0.8
Heavy metals as Pb, ppm	<10	10 max
Arsenic, ppm	0.1	1 max
Total Organic Carbon, ppm	5	15 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

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