

Technical data

WE Soda Grade 160 Soda Ash

CAS No. 497-19-8

Chemical Name	Sodium Carbonate, anhydrous		
CAS Name	Disodium carbonate		
Formula	Na ₂ CO ₃		
Molecular Weight	105.99		
Physical Properties	Typical	Specification	
Bulk Density:	lb/ft ³	59	54 - 62
	g/cm ³	0.95	0.86 - 0.99
Particle Density, g/cm ³	1.826		
Particle Shape	Needle-like		
Angle of repose, deg	52		
Screen analysis, cumulative wt %			
On	US 30(600 μm)	0.5	
	US 40(425 μm)	13	25 max
	US 100(150 μm)	89	
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 , wt %	0.06	0.20 max	
NaCl, wt %	0.03	0.20 max	
Fe ₂ O ₃ , ppm	7	20 max	
Water Insolubles, wt %	0.01	0.05 max	
Ignition loss, wt %	0.1	0.8	
Heavy metals as Pb, ppm	<10	10 max	
Arsenic, ppm	0.1	3 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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