

Technical data

Genesis Alkali Grade 260 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	65	60 - 70
g/cm ³	1.06	0.96 – 1.12
Particle Density, g/cm ³	1.960	
Particle Shape	Blocky	
Angle of repose, deg	40	
Screen analysis, cumulative wt %		
On US 30(600 μm)	1.0	
US 40(425 μm)	15	27 max
US 100(150 μm)	85	
Thru US 200(75 μm)	2	7 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 %	0.05	0.20 max
NaCl, wt %	0.06	0.20 max
Fe ₂ O ₃ , ppm	4	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, as As, ppm	0.1	3 max
Calcium, as Ca, ppm	60	
Magnesium, as Mg, ppm	15	
SiO ₂ , ppm	75	
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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