

Technical Data

Genesis Alkali Grade 50 Soda Ash

CAS No. 497-19-8

Chemical Name	Sodium Carbonate, anhydrous
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CAS Name	Disodium carbonate
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Formula	Na ₂ CO ₃
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Molecular Weight	105.99
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Physical Properties

	Typical	Specification
Bulk Density: lb/ft ³	50	47 - 57
Screen analysis, cumulative wt %		
On US 100 (150 μm)	0 - 20	
US 200 (75 μm)	25 - 75	
US 325 (45 μm)	50 - 95	

Chemical Properties

	Typical	Specification
Na ₂ O, wt %	58.3	58.0 min
Na ₂ CO ₃ , wt %	99.6	99.2 min
Na ₂ SO ₄ , wt %	0.08	0.20 max
NaCl, wt %	0.06	0.20 max
Fe ₂ O ₃ , ppm	12	20 max
Water insolubles, wt %	0.00	0.05 max
Heavy metals (as Pb), ppm	<10	

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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