

## Technical data

# Genesis Alkali Grade 100<sup>®</sup>

Light Density Soda Ash

CAS No. 497-19-8

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**Chemical Name** Sodium Carbonate, anhydrous

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**CAS Name** Disodium carbonate

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**Formula** Na<sub>2</sub>CO<sub>3</sub>


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**Molecular Weight** 105.99

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**Physical Properties**

	Typical	Specification
Absorptivity, wt %	19	18 min
Bulk Density: lb/ft <sup>3</sup>	48	44 - 54
g/cm <sup>3</sup>	0.77	0.70 - 0.86
Screen analysis, cumulative wt %		
On US 30(600 μm)	1	
US 40(425 μm)	8	25 max
US 100(150 μm)	88	
Thru US 200(75 μm)	2	7 max

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**Chemical Properties**

	Typical	Specification
Na <sub>2</sub> O, wt %	58.4	58.0 min
Na <sub>2</sub> CO <sub>3</sub> , wt %	99.8	99.2 min
Na <sub>2</sub> SO <sub>4</sub> , wt %	0.04	0.10 max
NaCl, wt %	0.03	0.10 max
Fe <sub>2</sub> O <sub>3</sub> , ppm	7	20 max
Arsenic, ppm		3 max
Heavy metals as Pb, ppm		10 max
Water insolubles, wt %	0.01	0.05 max

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**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

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**Standard Containers**

50 lb (22.7 kg) bags  
One ton super sacks  
Bulk hopper cars and trucks

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