

## Technical data

# Genesis Alkali Grade 100™

Light Density Soda Ash

CAS No. 497-19-8

<b>Chemical Name</b>	Sodium Carbonate, anhydrous	
<b>CAS Name</b>	Disodium carbonate	
<b>Formula</b>	Na <sub>2</sub> CO <sub>3</sub>	
<b>Molecular Weight</b>	105.99	
<b>Physical Properties</b>	<b>Typical</b>	<b>Specification</b>
Absorptivity, wt %	19	18 min
Bulk Density: lb/ft <sup>3</sup> g/cm <sup>3</sup>	48 0.77	44 - 54 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
<b>Chemical Properties</b>	<b>Typical</b>	<b>Specification</b>
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
<b>General Properties</b>		
Description	white granular solid	
Melting point, °C (°F)	851 (1564)	
Solubility, max % @ 35.4°C	33.2	
pH, 1% solution @ 25°C	11.4	
<b>Standard Containers</b>	50 lb (22.7 kg) bags One ton super sacks Bulk hopper cars and trucks	

The information contained herein is, to our knowledge, true and accurate. Because conditions of use are beyond our control, we make no warranty or representation, expressed or implied, except that the products discussed herein conform to the chemical descriptions shown on their labels. Nothing contained herein should be construed as permission or recommendation to infringe any patent. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice.