

Technical data

# AbsorptaPlus™

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 %	21	20 min
Bulk Density: lb/ft <sup>3</sup> g/cm <sup>3</sup>	45 0.73	43 - 46 0.70 - 0.74
Screen analysis, cumulative wt %		
On US 30(600 μm)	4	
US 40(425 μm)	20	25 max
US 100(150 μm)	85	
US 200(75 μm)	98	95 min

<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 %	0.06	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>	Bulk hopper cars and trucks
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