

Technical data

AbsorptaPlus®

Light Density 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
Absorptivity, wt %	21	20 min
Bulk Density: lb/ft ³ g/cm ³	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

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 %	0.06	0.10 max
NaCl, wt %	0.03	0.10 max
Fe ₂ O ₃ , ppm	7	20 max
Arsenic, ppm		3 max
Heavy Metals as Pb, ppm		10 max
Water Insolubles, wt %	0.01	0.05 max

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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