



EPOCH MASTER INDUSTRY PTE. LTD.

5001 BEACH ROAD #07-37 GOLDEN MILE COMPLEX SINGAPORE(199588)

TDS FOR ANHYDROUS SODIUM CARBONATE (SODA ASH LIGHT GRADE)

General Information

Chemical Formula	Na ₂ CO ₃	Commercial Name	Sodium Ash, Sodium Carbonate
Chemical Name	Anhydrous Sodium Carbonate		
H.S.CODE	2836.20.00		
CAS No.	497-19-8		
Appearance	Solid Powder/White Color		

Application

Chemical Industry	For manufacturing other sodium chemicals, such as sodium hydroxide, sodium bicarbonate, sodium silicate etc. also used in Chlorine Caustic Soda Plant for primary treatment during the brine process, for the reduction of Calcium content.
Glass Industry	For manufacturing All kind of domestic glass
Soaps and Detergents	It is used as a filler, PH adjuster, agglomerate aid, and water softener.
Textile Industry	It is used in textile industry during scouring, bleaching ,and dyeing. It is also used during deacidification of spun rayon.
Pulp and Paper Industry	For controlling the PH in pulping process, neutralizing the effluent streams , and processing of waste paper.

Specification

SPECIFICATION	UNIT	LIMIT	
		MIN	MAX
Na ₂ O:Sodium oxide	% p/p	58	
Na ₂ CO ₃ :Sodium carbonate (Quality Fraction of Na ₂ CO ₃ Dry Basis)	% p/p	99.2	
Na ₂ SO ₄ :Sodium sulfate (Quality Fraction of SO ₄ dry Basis)	% p/p		0.40
NaCl: Sodium Chloride (Quality Fraction of NaCl Dry Basis)	% p/p		0.50
Fe ₂ O ₃ :Iron oxide (Dry Basis)	Ppm		20
Insoluble in water	% p/p		0.03
Ignition Loss%	% p/p		0.80
Bulk Density(g/ml)	% p/p		0.60

Physical Date

Molecular Weight	105.99 gmol ⁻¹
Solubility	33.2@35.4°C
Ph(1% Solution)	11.6
Heat of Fusion	0.318MJ/kg
Heat of Hydration(Monohydrate)	0.126MJ/kg
Heat of Hydration(Decahydrate)	0.874MJ/kg

Important Parameters For Final User Quality Department

Concentration of Carbonate Sodium(Purity); Ignition Loss; Molecular Weight; Ph level



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Packaging

840~920 @ 25kg PP/PE bags, 21~23MT/20'FCL
420~460 @ 50kg PP/PE bags, 21~23MT/20'FCL
20@ 750kg PP/PE bags, 15MT/20'FCL

20 @ 1000kg PP/PE bags, 20MT/20'FCL
1 @ 1 Big PP/PE bag, 20~23MT/20'FCL

For and on behalf of
EPOCH MASTER INDUSTRY PTE. LTD.
Frederick
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Authorised Signature(s)