

Technical Data Sheet

**Sodium Carbonate (Na₂CO₃)
Dense Soda Ash**

Soda Ash, also known as Sodium Bicarbonate with chemical formula of NA2CO3, is a multipurpose chemical that has several applications in different industries. This product is generally produced through a Solvay process.

Application:

Soda Ash is mainly applied in glass production procedure. It helps to decrease the melting point of the paste which is used in formation of the glass, as well as the pastiness and luminosity of the glass sheets. This multipurpose chemical is also applied in the production procedure of soaps and detergents as a lubricating agent. This useful alkali chemical is also applied widely in production and/or fabrication of other chemical products such as mineral-work procedures, mine excavation procedure, paper paste production, Sodium compounds, water treatment, metal (Iron, Steel, Aluminum, etc.) recycling, textile industries, detergent industry, Metallurgic and Petroleum product recycling.

Properties		Value	Units
Sodium Carbonate (Na ₂ CO ₃)		99.2 min 99.6 max	wt. %
Sodium Chloride (NaCl)		0.1 min 0.5 max	wt. %
Sodium Bicarbonate (NaHCO ₃)		0.1 max	wt. %
Sodium Sulfate (Na ₂ SO ₄)		0.05 max	wt. %
Iron (Fe)		30 max	ppm
Loss On Heating		0.2 max	wt. %
Moisture		0.2 max	wt. %
Ni		30 max	ppm
Cr		10 max	ppm
Mn		10 max	ppm
Cu		30 max	ppm
Total Alkalinity (Na ₂ O)		58.12 min 58.42 max	wt. %
Pouring Density		0.85 min 1.1 max	g/cm ³
Mesh	<40	40 max	wt. %
	40 - 140	59 max	
	>140	1 max	
Note:			
- This report is according to average of analyzed samples			