



IS 296 Sodium Carbonate- Anhydrous

Sodium Carbonate is an industrial chemical used in a wide range of applications such as glass manufacturing, detergents, chemicals production, water treatment, and in the paper and textile industries. Sodium carbonate typically exists in the form of a white, odourless, crystalline powder or granular form and is produced through processes such as the **Solvay** process or from natural soda deposits.

IS 296 is the Indian Standard specification for **Sodium Carbonate**, which outlines the quality, composition, and testing methods for sodium carbonate used in various industrial applications.

The standard specifies the required chemical composition of sodium carbonate, including limits for impurities. These include **moisture content, sodium bicarbonate (NaHCO₃), sodium chloride (NaCl), calcium carbonate (CaCO₃)**, and others. Specifications for the physical characteristics of sodium carbonate such as particle size, bulk density, appearance (white crystalline powder), and solubility in water are also mentioned in the standard.

IS 296 further outlines methods for sampling and testing sodium carbonate to ensure it meets the required chemical composition and physical properties. This includes tests for moisture content, purity, and specific impurities.

The standard also details requirements for the packaging and labelling of sodium carbonate to ensure proper handling and transportation.

IS 296 provides manufacturers and users with clear guidelines for producing and testing sodium carbonate to ensure it meets quality standards for industrial use. This standard is essential for maintaining the consistency and quality of sodium carbonate in industries where its chemical properties are critical for production processes, such as in the manufacturing of glass, detergents, and chemicals.