

IS 2124: 2000 SODIUM BICARBONATE - SPECIFICATION (*Second Revision*)

Sodium bicarbonate is used as baking powder, reagent in analytical chemistry; in the manufacture of effervescent salts and beverages. It also finds use in artificial mineral waters, gold and platinum plating, tanning industry, treating wool and silk, fire extinguishers and ceramics.

This standard specifies the requirements for sodium bicarbonate, ensuring its quality for industrial, pharmaceutical, and food-grade applications. The standard defines the chemical composition, requiring a minimum purity of 99% on a dry basis, and sets limits for impurities such as chlorides, sulfates, and heavy metals. It also outlines physical properties like appearance (white crystalline powder), solubility, and moisture content.

Sodium bicarbonate is classified based on particle size or grade, depending on its intended use. The standard details testing methods to verify the chemical composition, pH levels, and other relevant characteristics, ensuring product consistency and adherence to quality requirements.