

IS 7129 : 2021

Potassium Carbonate, Anhydrous — Specification

IS 7129:2021 is an Indian Standard issued by the Bureau of Indian Standards (BIS) detailing the specifications for anhydrous potassium carbonate. Potassium carbonate is used as a dehydrating agent and for making other potassium salts, such as chlorates and chromates. It also finds its use in ceramics, explosives, fertilizers, mineral water, tanning, electroplating, shampoo preparations, process engraving and lithography, soft soaps, textile dyeing, bleaching and finishing oil, and photography. The standard was originally published in 1973 and the 2021 version is the second revision of the standard that introduces sodium content requirement and updated testing methods for various impurities. The standard includes specifications for two grades—pure and technical—and prescribes acceptable levels for contaminants such as sulphates, chlorides, iron, and lead. It describes testing procedures, packaging, marking, and sampling criteria to ensure product quality. Additionally, it provides guidelines for analytical techniques, including Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) for accurate quantification of trace elements.