

(PREVIEW)

Indian Standard**SPECIFICATION FOR BARIUM CHLORIDE****0. FOREWORD**

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 31 December 1980, after the draft finalized by the Inorganic Chemicals (Miscellaneous) Sectional Committee had been approved by the Chemical Division Council.

0.2 Barium chloride is one of the most important barium chemicals, excluding those which are used for pigments. It is used for the manufacture of pigments, colour lakes, as a mordant for acid dyes; and in weighting and dyeing textile fabrics. It is used in large quantities for removal of sulphate ions from sodium chloride brine used in the electrolytic cells for the manufacture of caustic soda, pure salts, etc. It is also used in boiler compounds for softening water and in the production of other barium compounds and heat treatment salts. The other uses are in tanning of white leather and as an ingredient in rat and vermin poisons.

0.3 This standard was first published in 1969. It is being revised in view of latest developments in technology and trade. In this revision changes have been made in the requirements for assay of the material, namely, technical and analytical reagent grade; for matter insoluble in water, heavy metals and iron for technical grade. Additional requirements for sodium and potassium have been incorporated and a volumetric method for assay has been incorporated as an alternate to the gravimetric method as the former is quicker.

1. SCOPE

1.1 This standard prescribes the requirements and the methods of sampling and test for barium chloride.

*Rules for rounding off numerical values (*revised*).