

(PREVIEW)

Indian Standard

**QUALITY TOLERANCES FOR WATER
FOR PULP AND PAPER INDUSTRY**

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 3 April 1964, after the draft finalized by the Water Sectional Committee had been approved by the Chemical Division Council.

0.2 Processing in pulp and paper industry is greatly affected by certain impurities present in water. Turbidity and colour affect the brightness and colour of the final paper. Constituents that cause hardness react with certain types of sizing materials producing insoluble deposits causing uneven sizing. Iron and manganese cause staining and loss of brightness. Corrosive waters dissolve iron from parts of the machinery. Alga and mould spores cause semi-transparent spots. This standard is intended to guide pulp and paper manufacturers in judging the suitability of a particular supply of water for that industry and in planning the type of treatment required for available supplies of water.

0.3 In the preparation of this standard, assistance has been obtained from Special Technical Publication No. 148-D Manual on Industrial Water and Industrial Waste Water, Second Edition 1959, published by the American Society for Testing and Materials, USA.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960 Rules for Rounding Off Numerical Values (*Revised*). The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

0.5 This standard is intended chiefly to cover the technical provisions relating to water for pulp and paper industry, and it does not include all the necessary provisions of a contract.

1. SCOPE

1.1 This standard prescribes the quality tolerances for water used in pulp and paper industry.