

(PREVIEW)

# *Indian Standard*

## METHODS OF TEST FOR PULP

### PART XVIII DETERMINATION OF CHLORINE CONSUMPTION ( DEGREE OF DELIGNIFICATION )

## 0. FOREWORD

**0.1** This Indian Standard ( Part XVIII ) was adopted by the Indian Standards Institution on 8 October 1979, after the draft finalized by the Paper and Its Products ( Excluding Packaging Materials ) Sectional Committee had been approved by the Chemical Division Council.

0.2 The method given in this standard for measuring the degree of delignification of pulp by measuring its chlorine consumption under specified conditions has the advantage over the method for determination of kappa number given in IS : 6213 (Part X)-1975\* that it is not restricted to pulps obtained in yields under 75 percent. It has been found experimentally that there is a linear relationship between the chlorine consumption and the total lignin content of pulp. This relationship is independent of the method used in the manufacture of pulp.

0.3 In the formulation of this standard, considerable assistance has been derived from ISO 3260-1975 'Pulps — Determination of chlorine consumption ( degree of delignification )', issued by the International Organization for Standardization.

**0.4** In reporting the results of a test or analysis, made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS : 2-1960†.

---

## 1. SCOPE

**1.1** This standard ( Part XVIII ) prescribes the method for determination of the degree of delignification of **pulp** by measuring its chlorine consumption. This method is applicable to all kinds of pulp.

---

\*Methods of test for pulp: Part X Determination of kappa number,

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