

भारतीय मानक मसौदा
कागज और संबद्ध उत्पादों के लिए नमूना चयन और परीक्षण की पद्धतियाँ

भाग 4 कागज, बोर्ड और लुगादी के लिए परीक्षण पद्धतियाँ
अनुभाग 10 कुल क्लोरीन और जैविक रूप से सीमित क्लोरीन का निर्धारण
(पहला पुनरीक्षण)

Draft Indian Standard

**Methods of Sampling and Test for
Paper and Allied Products**

Part 4 Methods of Test for Paper, Board and Pulp
Section 10 Determination of total chlorine and organically bound chlorine
(*First Revision*)

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ICS 85.040; 85.060

Paper And Its Products Sectional Committee,
CHD 15

Last date of comments: 20th September 2023

NATIONAL FOREWORD

(Formal clauses added to be later)

This standard was originally published in 2014. Considering the benefits of having a standard which is aligned with that of international best practices, the committee decided to prepare this standard by identical adoption of ISO 11480: 1997, 'Pulp, paper and board — Determination of total chlorine and organically bound chlorine' under dual numbering.

ISO has published relevant test method standards under the three broad based titles namely 'Paper, board and pulps', 'Paper and board' and 'Pulps' To maintain consistency with the prevailing international practices and also to facilitate search of the relevant test methods instantly, all adopted standards are published under the following two series;

(a) IS 1060 series on 'Methods of sampling and test for paper and allied products', and

(Part 4) Methods of test for paper, board and pulp

(Part 5) Methods of test for paper and board

(Part 6) Methods of test for paper

(Part 7) Methods of test for board

(b) IS 6213 series for ‘Methods of test for pulps’.

Considering that 2014 version was identical adoption of ISO 11480: 1997, the committee decided to further revise this standard by aligning it with ISO 11480: 2017, under dual numbering. During this revision, the test method is revised to include the option of using the Schöniger combustion method combined with ion chromatography.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 287 Paper and board — Determination of moisture content —Oven-drying method	IS 1060 (Part 5/Sec 2) : 2021 Methods of Sampling and Test for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 2 Determination of moisture content of a lot Oven- drying method	Identical with ISO 287: 2017
ISO 638 Paper, board and pulps — Determination of dry matter content — Oven-drying method	IS 6213 (Part 21) : 2019 Methods of test for pulp: Part 21 paper, board and pulps - Determination of dry matter content - Oven - Drying method (<i>first revision</i>)	Identical with ISO 638: 2008

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical / sub-tropical countries. The applicable standard atmospheric conditions for Indian conditions are $27 \pm 2^\circ\text{C}$ and 65 ± 5 percent relative humidity and shall be observed while using this standard.

In reporting the result of a test 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 2:2022 ‘Rules for rounding off numerical values (*second revision*)’.