

भारतीय मानक मसौदा
कागज और संबद्ध उत्पादों के लिए
नमूना चयन और परीक्षण की पद्धतियाँ
भाग 4 कागज, बोर्ड और लुगदी के लिए परीक्षण पद्धतियाँ
अनुभाग 7 जलीय निष्कर्ष के पीएच का निर्धारण — गर्म निष्कर्षण पद्धति
(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 7 Determination of pH of aqueous extracts —
Hot extraction method
(*First Revision*)

(Not to be reproduced without the permission of BIS or used as an Indian Standard)

ICS 85.060; 85.040

Paper and Its Products Sectional Committee,
CHD 15

Last date of comments: 30th September 2023

NATIONAL FOREWORD

(Formal clauses added to be later)

This test method was originally included in IS 1060 Part I and published in 1956 and subsequently revised in 1966. During the formulation of this test method and revision due weightage was given to the then existing International Standards.

Considering the benefits of aligning standards with that of international best practices, in 2018 the committee decided to revise the standard by identical adoption of ISO 6588-2: 2012, 'Paper, board and pulps — Determination of pH of aqueous extracts — Part 2: Hot extraction' 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'. The three already published Indian Standards namely IS 1060 (Parts 1, 2 and 3) 'Methods of sampling and test for paper and allied products' and IS 6213 series of standards published for 'Methods of test for pulps' were widely used and known to all concerned. Therefore, to maintain consistency with the prevailing international practices and also to facilitate search of the relevant test methods instantly, all the

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 2018 version of this standard was identical adoption of ISO 6588-2: 2012, the committee decided to further revise this standard by aligning it with ISO 6588-2: 2021, under dual numbering. During this revision, following changes have been made:

i) Addition of the last four paragraphs in the introduction to clarify the difference in the role and mode of addition of a salt solution, between this document and ISO 29681.

ii) An incorrect reference in 7.1 has been deleted.

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 186 Paper and board — Sampling to determine average quality	IS 1060 (Part 5 / Sec 1) : 2014 Methods of Sampling and Test for Paper and Allied Products Part 5 Methods of Test for Paper and Board Section 1 Sampling to determine average quality	Identical with ISO 186: 2002

The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 7213	Pulps — Sampling for testing

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*)’.