

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 1 कंडीशनिंग और परीक्षण के लिए मानक वातावरण और वातावरण और नमूने के कंडीशनिंग की निगरानी के लिए कार्यप्रणाली
(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 1 Standard atmosphere for conditioning and testing and
procedure for monitoring the atmosphere and conditioning of samples
(*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 for standard atmosphere for conditioning and testing of paper and allied products was originally included in IS 1060 Part 1 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 2014 the committee decided to revise the standard by identical adoption of ISO 187 : 1990, 'Paper, board and pulps — Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples' under dual numbering and publish as a separate standard for this test method.

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 2014 version of this standard was identical adoption of ISO 187: 1990, the committee decided to further revise this standard by aligning it with ISO 187: 2022 under dual numbering. During this revision, following changes have been made:

- i. Introduction has been revised;
- ii. Normative references have been removed;
- iii. Definition of conditioning has been revised;
- iv. Content has been added to Clause 5 and Clause 6;
- v. Annex A has been simplified.

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 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*)'.