

**BUREAU OF INDIAN STANDARDS**

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*भारतीय मानक मसौदा*

गेहूँ के आटे से बनी लोई की भौतिक विशेषताएँ ज्ञात करने के लिए

परीक्षण पद्धति

भाग 1 फरिनोग्राफ का उपयोग करके जल अवशोषण और रियोलॉजिकल गुण

[आइ एस 12516 (भाग 1) का तीसरा पुनरीक्षण]

*Draft Indian Standard*

**Methods of Test for Determination of Physical Characteristics of Doughs Made from  
Wheat Flour**

**Part 1 Water Absorption and Rheological Properties Using a Farinograph**

[Third Revision of IS 12516 (Part 1)]

(Adoption of ISO/FDIS 5530-1:2021)

ICS 67.060

Ready-to-eat Foods and Specialized  
Products Sectional Committee, FAD 24

Last Date of Comments –  
**9 June 2023**

**NATIONAL FOREWORD**

*(Adoption clause will be added later)*

This Indian Standard was first published in 1988 as an identical adoption of ISO 5530-1: 1988 ‘Wheat flour — Physical characteristics of doughs — Part 1: Determination of water absorption and rheological properties using a farinograph’ under dual numbering. This standard was revised in 1999 and 2017 to align with the subsequent versions of ISO standard. This revision is being undertaken to align the standard with the latest version of ISO 5530-1, that is ISO/FDIS 5530-1:2021, and is an identical adoption of ISO Standard.

This standard is published in parts and are identical adoption of the corresponding parts of ISO 5530. Other parts are:

Part 2 Determination of rheological properties using an extensograph; and

Part 3 Determination of water absorption and rheological properties using a valorigraph.

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.

The technical committee has reviewed the provision of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 712 Cereals and cereal products — Determination of moisture content — Reference method	IS 4333 (Part 2) : 2016 Methods of analysis for food grains: Part 2 — Determination of moisture content ( <i>second revision</i> )	Identical with ISO 712 : 2009

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 3696	Water for analytical laboratory use — Specification and test methods

In reporting the result 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 : 2022 'Rules for rounding off numerical values (*second revision*)'.

**'FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO/FDIS 5530-1:2021'.**

**NOTE** – The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the hard copy of the complete ISO Standard, please contact:

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