



**International
Standard**

ISO 13061-14

**Physical and mechanical properties
of wood — Test methods for small
clear wood specimens —**

**Part 14:
Determination of volumetric
shrinkage**

*Propriétés physiques et mécaniques du bois — Méthodes d'essais
sur petites éprouvettes de bois sans défauts —*

Partie 14: Détermination du retrait volumique

[ISO 13061-14:2024](https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024)

<https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024>

**Second edition
2024-02**

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 13061-14:2024](https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024)

<https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Sampling	1
6 Stereometric method	2
6.1 Apparatus.....	2
6.2 Preparation of test pieces.....	2
6.2.1 Dimensions of test pieces.....	2
6.2.2 Inclination of annual rings of test pieces.....	2
6.2.3 Marking of measurement points.....	3
6.3 Procedure.....	3
6.3.1 Determination of the dimensions of test pieces in green or fully saturated condition.....	3
6.3.2 Determination of the dimensions of test pieces at oven-dry state.....	3
6.4 Calculation and expression of results.....	3
7 Immersion method	4
7.1 Apparatus.....	4
7.2 Preparation of test pieces for immersion method.....	4
7.3 Procedure.....	4
7.3.1 Determination of the volume of test pieces in green or fully saturated condition.....	4
7.3.2 Determination of the volume of test pieces at oven-dry state.....	4
7.4 Calculation and expression of results.....	4
8 Test report	5

[ISO 13061-14:2024](https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024)

<https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024>

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 218, *Timber*.

This second edition cancels and replaces the first edition (ISO 13061-14:2016), which has been technically revised.

The main changes are as follows:

- changes in the sizes and measurements of test pieces and the calculation of test results.

A list of all parts in the ISO 13061 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The main purpose of this document is to establish the common international point of member countries of the International Organization for Standardization (ISO), concerning testing methods for small clear wood specimens and general requirements for determining physical and mechanical properties of wood.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 13061-14:2024](https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024)

<https://standards.iteh.ai/catalog/standards/iso/2a7367f7-3f6c-402e-99fb-9fac2f0a3f71/iso-13061-14-2024>

