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

## Part 1: Determination of moisture content for physical and mechanical tests

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

*Partie 1: Détermination de la teneur en humidité en vue des essais  
physiques et mécaniques*



Reference number  
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## 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 documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. [www.iso.org/directives](http://www.iso.org/directives)

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 218, *Timber*.

This first edition of ISO 13061-1 cancels and replaces ISO 3130:1975, which has been technically revised by specifying various levels of precision of measurements and allowing larger sizes of test pieces.

ISO 13061 consists of the following parts, under the general title *Physical and mechanical properties of wood — Test methods for small clear wood specimens*:

- Part 1: *Determination of moisture content for physical and mechanical tests*
- Part 2: *Determination of density for physical and mechanical tests*
- Part 3: *Determination of ultimate strength in static bending*
- Part 4: *Determination of modulus of elasticity in static bending*
- Part 6: *Determination of ultimate tensile stress parallel to grain*
- Part 7: *Determination of ultimate tensile stress perpendicular to grain*

The following parts are under preparation:

- Part 5: *Determination of strength in compression perpendicular to grain*
- Part 10: *Determination of impact bending strength*
- Part 11: *Determination of resistance to impact*
- Part 12: *Determination of static hardness*
- Part 13: *Determination of radial and tangential shrinkage*
- Part 14: *Determination of volumetric shrinkage*
- Part 15: *Determination of radial and tangential swelling*

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- Part 16: *Determination of volumetric swelling*
- Part 17: *Determination of ultimate stress in compression parallel to grain*

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## Introduction

The main purpose of ISO 13061 is to establish test methods for small clear wood specimens, and general requirements for determining physical and mechanical properties of wood.