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Second edition  
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**Paper and board — Testing of cores —  
Part 8:  
Determination of natural frequency  
and flexural modulus by experimental  
modal analysis**

*Papier et carton — Essais des mandrins —*

*Partie 8: Détermination de la fréquence propre et du module de flexion par analyse modale expérimentale*



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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.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11093-8 was prepared by Technical Committee ISO/TC 6, *Paper, board and Pulps*.

This second edition cancels and replaces the first edition (ISO 11093-8:1997), which has been technically revised.

ISO 11093 consists of the following parts, under the general title *Paper and board — Testing of cores*:

- Part 1: Sampling
- Part 2: Conditioning of test samples
- Part 3: Determination of moisture content using the oven drying method
- Part 4: Measurement of dimensions
- Part 5: Determination of characteristics of concentric rotation
- Part 6: Determination of bending strength by the three-point method
- Part 7: Determination of flexural modulus by the three-point method
- Part 8: Determination of natural frequency and flexural modulus by experimental modal analysis
- Part 9: Determination of flat crush resistance