# INTERNATIONAL STANDARD

ISO 11093-1

> First edition 1994-12-15

## Paper and board — Testing of cores —

### Part 1:

Sampling

## iTeh STANDARD PREVIEW

Papier et carton Essais des mandrins —

Partie 1: Échantillonnage

ISO 11093-1:1994



#### **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.

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.

International Standard ISO 11093-1 was prepared by Technical Committee ISO/TC 6, Paper, board and pulps, Subcommittee SC 3, Dimensions and VIEW grammage of paper, board and pulp products.

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

ISO 11093-1:1994

— Part 1: Sampling

https://standards.iteh.ai/catalog/standards/sist/259e099c-56a5-420e-b93a-19cf0ab9866a/iso-11093-1-1994

- Part 2: Conditioning of test samples
- Part 3: Determination of moisture content using the oven drying method
- Part 4: Dimensional measurements
- Part 5: Determination of characteristics of concentric rotation
- Part 8: Machine test for dynamic cleavage
- Part 9: Determination of flat crush resistance

© ISO 1994

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

### Paper and board — Testing of cores —

### Part 1:

Sampling

### 1 Scope

This part of ISO 11093, based on ISO 186:1994, Paper and board — Sampling to determine average quality, specifies a method for obtaining a representative sample of a lot of cores for test purposes.

NOTE 1 If less than 50 % of the lot is available for sampling, then sampling will be invalid in the absence of agreement to the contrary.

Teh STANDARD

(standards.i

#### 4 Procedure

Take the specimens at random, their number as given in table 1.

Table 1 — Number of specimens

Number of cores	Number of specimens
up to 99	5
100 to 499	10
500 and more	20

#### 2 Definitions

For the purposes of this part of ISO 11093, the following definitions apply: 19cf0ab9866a/iso-1109**5** 1-**Additional requirements** 

**2.1 lot:** Aggregate of cores of a single kind possessing specified characteristics.

A lot may comprise one or more identical packaged units.

- **2.2 specimen:** Complete undamaged core taken from a packaged unit.
- **2.3 sample:** Aggregate of all specimens.
- **2.4 test piece:** Complete core or a core section on which testing is carried out in accordance with the stipulations of the method of test.
- **2.5 selected at random:** Taken in such a manner that each part of the lot has an equal chance of being selected.

#### 3 Principle

A selection of cores is taken at random from packaged units taken at random from the lot. These are then subdivided and mixed so as to obtain from the specimens, the sample from which the test pieces will be taken.

#### 5.1 Precautions

Specimens and test pieces shall be protected from harmful influences, for example direct sunlight, considerable climatic fluctuations, liquids, etc.

#### 5.2 Marking

Specimens and test pieces shall be provided with markings adequate to ensure that each specimen and test piece can be identified beyond all doubt. These identification markings shall be indelible. They may be limited to the number of the sampling report and the sampler's signature.

#### 5.3 Re-sampling

If, as a result of an accident during sampling or testing, re-sampling is necessary, a new sample shall be taken in accordance with the aforementioned specifications. Unless otherwise specified, samples may be taken from the same packaged units as before.

If re-sampling is deemed necessary for other reasons, it shall not be made from the same packaged units.

### 6 Sampling report

The sampling report shall include the following particulars:

- a) reference to this part of ISO 11093;
- b) type and designation of specimens or test pieces;
- c) place and date of sampling and signature of sampler;
- d) number of specimens or test pieces;
- e) deviation, if any, from the method specified.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

# iTeh STANDARD PREVIEW (standards.iteh.ai)

# iTeh STANDARD PREVIEW (standards.iteh.ai)

# iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 11093-1:1994(E) © ISO

# iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 11093-1:1994 https://standards.iteh.ai/catalog/standards/sist/259e099c-56a5-420e-b93a-19cf0ab9866a/iso-11093-1-1994

### ICS 85.080.00

Descriptors: paper, paperboard, cores, spool cores, tests, sampling.

Price based on 2 pages