
**Corkwood in planks, virgin cork,
ramassage, gleanings, corkwood refuse
and corkwaste — Determination of
moisture content**

*Liège en planches, liège mâle, liège de ramassage, liège gisant, rebuts et
déchets — Détermination de l'humidité*

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[ISO 2386:1998](https://standards.iteh.ai/catalog/standards/sist/f289eda5-5f7c-41cc-9896-d37ae5f3170d/iso-2386-1998)

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Foreword

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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 2386 was prepared by Technical Committee ISO/TC 87, *Cork*.

This third edition cancels and replaces the second edition (ISO 2386:1988), which has been technically revised.

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Corkwood in planks, virgin cork, ramassage, gleanings, corkwood refuse and corkwaste — Determination of moisture content

1 Scope

This International Standard specifies a method for determination of the moisture content of corkwood in planks, virgin cork, ramassage, gleanings, corkwood refuse and corkwaste.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2385:1993, *Corkwood in planks, virgin cork, cleanings, cork pieces, corkwood refuse and corkwaste — Sampling to determine moisture content.* <https://standards.iso.org/standards-uri/2385> ISO 2386:1998
d37ae5f3170d/iso-2386-1998

3 Definition

For the purposes of this International Standard, the following definition applies.

3.1 moisture content

loss of mass of a test specimen after drying under specific conditions, referred to the initial mass of the test specimen

4 Principle

Determination of the mass of a test specimen, drying and re-determination of its mass, then calculation of the loss of mass.

5 Apparatus

Ordinary laboratory equipment and, in particular, the following.

5.1 Balance, with a resolution of 0,5 g.

5.2 Oven, ventilated, and maintained at $103\text{ °C} \pm 5\text{ °C}$.

5.3 Open containers (dry), of adequate capacity to hold the test specimens.

5.4 Desiccators, of adequate capacity to hold the containers, and containing an efficient desiccant (e.g. silica gel or calcium chloride).

6 Sampling

Carry out the sampling of each lot in accordance with the procedure specified in ISO 2385.

7 Procedure

7.1 Test sample

From the laboratory sample (see ISO 2385), take at random three test specimens of mass about 400 g each.

7.2 Determination

Determine the mass of each container (m_1).

Place each test specimen in a container and determine the mass of each set (m_2).

Put the sets in the oven (5.2) set at 103 °C, for at least 1 h. Then place them in the desiccator (5.4) and let them cool for at least 30 min. Then determine the mass of each set.

Repeat the procedure described above until constant mass (i.e. until two consecutive weighings of each set do not differ by more than 0,5 g) (m_3).

NOTE To accelerate the test, it is advisable that the first drying be for at least 3 h.

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8 Results

8.1 Calculation

The moisture content of each test specimen, referred to the initial mass (before drying) and expressed as a percentage, rounded off to the nearest integer, is given by the formula:

$$\frac{m_2 - m_3}{m_2 - m_1} \times 100$$

where

m_1 is the mass, in grams rounded off to the nearest 0,5, of the container;

m_2 is the mass, in grams rounded off to the nearest 0,5, of the container and test specimen (set) before drying;

m_3 is the mass, in grams rounded off to the nearest 0,5, of the container and test specimen (set) after drying.

8.2 Expression of results

Take as the moisture content of the lot of corkwood, the average, rounded off to the nearest integer, of the results obtained for each test specimen.

9 Test report

The test report shall include the following particulars:

- a) all details required to identify the sample;
- b) the result obtained, in accordance with clause 8;
- c) reference to this International Standard;
- d) all operating details not specified in this International Standard, or regarded as optional;
- e) details of any incidents which may have influenced the results.

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