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# Cork stoppers — Determination of global migration

*Bouchons en liège — Détermination de la migration globale*

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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

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# Foreword

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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 (see 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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 87, Cork.

This third edition cancels and replaces the second edition (ISO 10106:2018). The main changes compared to the previous edition are that Clauses 1, 2, 6.1, 6.2, Clauses 8 and 10 have been technically revised.

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.


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# Cork stoppers — Determination of global migration

## 1 Scope

This document specifies a test method to measure the global migration of cork stoppers.

It is applicable to all types of cork stoppers that are ready to use, simulating the real conditions of use. This includes all kind of cork stoppers (completely or partially inserted in the bottle neck).

A bottle with an adequate finish is used to carry out the test.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 633, *Cork — Vocabulary*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 633 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

**3.1**
**global migration**
mass of the non-volatile constituents of the cork stopper ceded to the simulant during the test

**3.2**
**simulant**
solution intended to simulate the foodstuff

## 4 Principle

Introduction of the cork stopper in the neck of a bottle containing the appropriate simulant. The contact cork stopper/simulant is carried out in specific conditions of time and temperature. After evaporation of the obtained solution, the global mass transferred to the simulant from the cork stopper is determined, by weighing.

## 5 Reagents and materials

### 5.1 Reagents

#### 5.1.1 **Demineralized water.**

#### 5.1.2 **Ethanol grade** with a volume fraction minimum of 96 %.

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