



**SLOVENSKI STANDARD
SIST EN ISO 638-1:2022**

01-junij-2022

**Nadomešča:
SIST EN ISO 638-1:2021**

Papir, karton, lepenka in vlaknine ter celulozni nanomateriali - Določevanje suhe snovi z metodo sušenja v sušilniku - 1. del: Materiali v trdni obliki (ISO 638-1:2022)

Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 1: Materials in solid form (ISO 638-1:2022)

Papier, Papp, Faserstoff und cellulosehaltige Nanomaterialien - Bestimmung des Trockengehaltes durch das Wärmeschrankverfahren - Teil 1: Materialien in fester Form (ISO 638-1:2022)

Papiers, cartons, pâtes et nanomatériaux cellulosiques - Détermination de la teneur en matières sèches par séchage à l'étuve - Partie 1: Matériaux sous forme solide (ISO 638-1:2022)

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Ta slovenski standard je istoveten z: EN ISO 638-1:2022

ICS:

85.040	Vlaknine	Pulps
85.060	Papir, karton in lepenka	Paper and board

SIST EN ISO 638-1:2022 en,fr,de

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EUROPEAN STANDARD

EN ISO 638-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2022

ICS 85.040; 85.060

Supersedes EN ISO 638-1:2021

English Version

Paper, board, pulps and cellulosic nanomaterials -
Determination of dry matter content by oven-drying
method - Part 1: Materials in solid form (ISO 638-1:2022)

Papiers, cartons, pâtes et nanomatériaux cellulosiques
- Détermination de la teneur en matières sèches par
séchage à l'étuve - Partie 1: Matériaux sous forme
solide (ISO 638-1:2022)

Papier, Pappe, Faserstoff und cellulosehaltige
Nanomaterialien - Bestimmung des Trockengehaltes
durch das Wärmeschrankverfahren - Teil 1:
Materialien in fester Form (ISO 638-1:2022)

This European Standard was approved by CEN on 14 March 2022.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 638-1:2022) has been prepared by Technical Committee ISO/TC 6 "Paper, board and pulps" in collaboration with Technical Committee CEN/TC 172 "Pulp, paper and board" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2022, and conflicting national standards shall be withdrawn at the latest by October 2022.

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

This document supersedes EN ISO 638-1:2021.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 638-1:2022 has been approved by CEN as EN ISO 638-1:2022 without any modification.

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INTERNATIONAL
STANDARD

ISO
638-1

Second edition
2022-03

**Paper, board, pulps and cellulosic
nanomaterials — Determination of
dry matter content by oven-drying
method —**

Part 1:
Materials in solid form

*Papiers, cartons, pâtes et nanomatériaux cellulosiques —
Détermination de la teneur en matières sèches par séchage à
l'étuve —*

Partie 1: Matériaux sous forme solide

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Reference number
ISO 638-1:2022(E)

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Published in Switzerland

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ISO 638-1:2022(E)

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 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 172, *Pulp, paper and board*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 638-1:2021), of which it constitutes a minor revision. The changes are as follows:

- correction of the cross-references in [Clause 8](#);
- editorial update.

A list of all parts in the ISO 638 series can be found on the ISO website.

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.

Introduction

Determination of dry matter content and moisture content are carried out for different purposes.

This document is used when the dry matter content is needed to calculate the results for chemical analysis or physical testing, or to determine the moisture content of paper, board, and pulp and cellulosic nanomaterials in solid form. An example of this is where the results of a chemical analysis for cadmium or manganese are required on the basis of the oven-dry mass of the sample.

ISO 638-2 ^[1] is dedicated to the determination of the dry matter content or water content of cellulosic nanomaterials in the form of suspensions.

ISO 287^[2] should be used for the purpose of determining the average moisture content and the variation in moisture content (maximum and minimum values) of a lot of paper and board. In the converting of paper and board, moisture content is important as it can have an effect on processes such as printing and copying. Moisture content can have an effect on curl and dimensional stability.

ISO 4119^[3] should be used in laboratory procedures or is referred to in other International Standards in which the concentration of an aqueous pulp suspension requires determination.

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