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Pulps - Determination of acetone-soluble matter (ISO 14453:2014)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/14

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**Pulps - Determination of acetone-soluble matter (ISO
14453:2014)**Pâtes - Détermination des matières solubles dans l'acétone
(ISO 14453:2014)Faserstoff - Bestimmung acetonlöslicher Bestandteile (ISO
14453:2014)

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Foreword

This document (EN ISO 14453:2014) 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of an identical text or by endorsement, at the latest by October 2014, and conflicting national standards shall be withdrawn at the latest by October 2014.

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Endorsement notice

The text of ISO 14453:2014 has been approved by CEN as EN ISO 14453:2014 without any modification.

**Pulps — Determination of acetone-
soluble matter**

Pâtes — Détermination des matières solubles dans l'acétone





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Foreword

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The committee responsible for this document is ISO/TC 6, *Paper, board and pulps*.

This second edition cancels and replaces the first edition (ISO 14453:1997), which has been technically revised to include the use of automated extraction, and to add a new precision statement that complies with the requirements of ISO/TR 24498.

Introduction

The amount of acetone-soluble matter in pulp provides a measure of the content of wood extractives, often called resin. The acetone-soluble matter includes fatty acids, resin acids, fatty alcohols, sterols, diglycerides and triglycerides, steryl esters and waxes.

In addition, acetone extracts of mechanical pulps may also contain phenolic compounds such as lignans. In the case of incompletely washed chemical pulps, the acetone extracts will also include dissolved kraft lignin.

Metal soaps of fatty and resin acids, such as those present in unwashed or deinked pulp, are not extracted under the conditions specified in this International Standard.

Pulps — Determination of acetone-soluble matter

1 Scope

This International Standard describes the determination of acetone-soluble matter in pulp.

It is applicable to all types of pulp. The lower limit of the determination is about 0,05 %. This limit can be lowered by increasing the amount of sample analysed.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7213, *Pulps — Sampling for testing*

ISO 638, *Paper, board and pulps — Determination of dry matter content — Oven-drying method*

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