



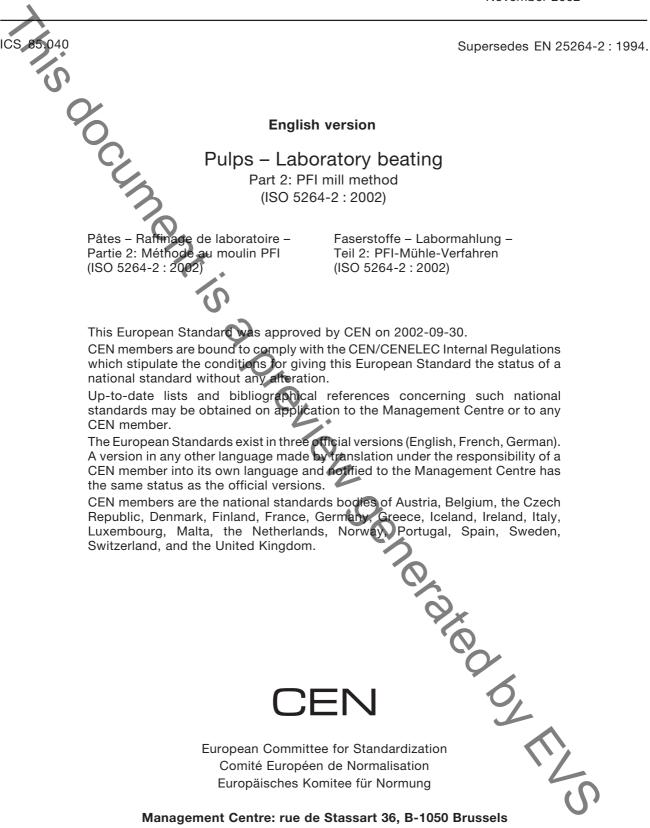
EESTI STANDARDI EESSÕNA NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 5264-2:2003 sisaldab Euroopa standardi EN ISO 5264-2:2002 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 5264-2:2003 consists of the English text of the European standard EN ISO 5264-2:2002.
Käesolev dokument on jõustatud 19.03.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 19.03.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.
Käsitlusala: This part of ISO 5264 specifies a method, using a PFI mill, for the laboratory beating of pulp. The description is limited to the sampling and beating of the pult, the withdrawal and distribution of samples, and the beating equipment	Scope: This part of ISO 5264 specifies a method, using a PFI mill, for the laboratory beating of pulp. The description is limited to the sampling and beating of the pult, the withdrawal and distribution of samples, and the beating equipment
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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 5264-2

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Foreword

International Standard

ISO 5264-2 : 2002 Pulps - Laboratory beating - Part 2: PFI mill method,

which was prepared by ISO/TC 6 'Paper, board and pulps' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 172 'Paper, board and pulps', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

rent is a provide the text of the International Standard ISO 5264-2 : 2002 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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Introduction	
In view of the widespread use of the following beaters:	
- Valley beater;	
- PFI mill;	
— Jokro mill;	
it has been decided to provide guidance on the use of these beaters in order to achieve consistency of results w	

Introduction

- Valley beater;
- PFI mill;
- Jokro mill;

it has been decided to provide guidance on the use of these beaters in order to achieve consistency of results with each instrument. Although all three beaters show similar trends in the effect on pulp properties, there is no correlation between the actual results obtained with the different types of beaters.

ISO 5264-1 specifies a method of laboratory beating using a Valley beater and ISO 5264-3 a method using a Jokro mill.

Beating is a preliminary step in the preparation of laboratory sheets for testing the physical properties of pulps. In the PFI mill, each beating is performed separately, i.e. a new test portion of unbeaten pulp is taken for each beating.

NOTE A complete test of physical properties normally comprises unbeaten pulp and several beatings of the same pulp, where the beating is carried out for different numbers of roll revolutions. The number of roll revolutions depends on the type of pulp and the beating load. After beating, the drainability is measured according to ISO 5267-1 or ISO 5267-2, and laboratory sheets are prepared according to ISO 5269-1 or ISO 5269-2.

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1 Scope

This part of ISO 5264 specifies a method, using a PFI mill, for the laboratory beating of pulp. The description is limited to the sampling and beating of the pulp, the withdrawal and distribution of samples, and the beating equipment.

NOTE Beating is a preliminary step in testing the physical properties of pulp.

In principle, this method is applicable to all kinds of chemical and semi-chemical pulps. In practice, the method may not give satisfactory results with certain pulps having extremely long fibres.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 5264. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 5264 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 638, Pulps — Determination of dry matter content

ISO 4119, Pulps — Determination of stock concentration

ISO 5263, Pulps - Laboratory wet disintegratio

ISO 5267-1, Pulps - Determination of drainability art 1: Schopper-Riegler method

ISO 5267-2, Pulps — Determination of drainability Part 2 "Canadian Standard" freeness method

ISO 7213, Pulps — Sampling for testing

ISO 14487, Pulps — Standard water for physical testing

3 Principle

A measured amount of pulp at a specified stock concentration is beaten between a roll with bars and a smooth beater housing, both rotating in the same direction, but at different peripheral speeds

Apparatus and auxiliary materials 4

Ordinary laboratory equipment and the following.