

Australian/New Zealand Standard™

Methods of test for pulp and paper

Method 452rp: Determination of weight factors by the comparison method



AS/NZS 1301.452rp:2006

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The following are represented on Committee PK-019:

Australian Plantation Products and Paper Industry Council (A3P)
Appita
CSIRO Forestry and Forest Products
Ensis Papro, SCION (New Zealand)
National Association of Forest Industries

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 1301.452rp:2006

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Technical Committee PK-019 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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The following are represented on Technical Committee PK-019:

Appita
Monash University
New Zealand Paper Forum
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NOTES

Australian/New Zealand Standard™

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee PK-019, Methods of Test for Pulp and Paper to supersede AS 1301.452rp—1992. This Standard is identical with and reproduced from ISO 9184-7:1994, *Paper, board and pulps—Fibre furnish analysis*, Part 7: *Determination of weight factor*.

The objective of this Standard is to specify two methods for determining the weight factor of fibres used in the fibre furnish analysis of paper, board and pulp. In this Standard the weight factor is obtained either by a comparison method or by calculating from the fibre coarseness.

This Standard is applicable to all kinds of fibres of pulps from unmixed wood species. In this context, it means pulps which do not contain more than 5% of other fibres with an essentially different weight factor (see ISO 9184-1:1990, annex A).

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this part of ISO 9184’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

The references to International Standards should be replaced by references to the following Australian/New Zealand Standards.

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS	
9184	Paper, board and pulps—Fibre furnish analysis	1301	Methods of test for pulp and paper
9184-1	Part 1: General method	1301.451rp	Part 451rp: Fibre furnish analysis
9184-2	Part 2: Staining guide	—	
9184-6	Part 6: Determination of fibre coarseness	—	

AUSTRALIAN/NEW ZEALAND STANDARD

Methods of test for pulp and paper

Method 452rp:

Determination of weight factors by the comparison method

1 Scope

This part of ISO 9184 specifies two methods for determining the weight factor of fibres used in the fibre furnish analysis of paper, board and pulp. In this part of ISO 9184, the weight factor is obtained either by a comparison method or by calculating from the fibre coarseness.

This part of ISO 9184 is applicable to all kinds of fibres of pulps from unmixed wood species. In this context, it means pulps which do not contain more than 5 % of other fibres with an essentially different weight factor (see ISO 9184-1:1990, annex A).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 9184. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 9184 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO

maintain registers of currently valid International Standards.

ISO 9184-1:1990, *Paper, board and pulps — Fibre furnish analysis — Part 1: General method.*

ISO 9184-2:1990, *Paper, board and pulps — Fibre furnish analysis — Part 2: Staining guide.*

ISO 9184-6:1994, *Paper, board and pulps — Fibre furnish analysis — Part 6: Determination of fibre coarseness.*

3 Definition

For the purposes of this part of ISO 9184, the following definition applies.

3.1 weight factor: A specific dimensionless quantity for each kind of fibre. It is the ratio of the mass per unit length of a particular kind of fibre to that of a reference fibre with a mass per unit length of 0,180 mg/m.

NOTE 1 Originally rag (staple cotton) fibre was selected as the standard fibre with which all other fibres were compared. The weight factor or rag was taken as 1,00 and its average fibre coarseness was found to be 0,180 mg/m.¹⁾

1) The references cited in annex A may be useful in this respect.