

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS P 8145 : 2011

(JAPAN TAPPI/JSA)

**Paper and board — Estimation of con-
traries**

P 8145 : 2011

Date of Establishment: 1976-03-01

Date of Revision: 2011-03-22

Date of Public Notice in Official Gazette: 2011-03-22

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Paper and Pulp

JIS P 8145 : 2011, First English edition published in 2012-10

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

KA/HN

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Estimation methods	2
6 ISO visual inspection method	2
6.1 Apparatus	2
6.2 Preparation of sample	2
6.3 Procedure	3
6.4 Expression of results	4
6.5 Precision	4
7 Visual inspection method	5
7.1 Apparatus	5
7.2 Preparation of test sheet	5
7.3 Procedure	5
7.4 Calculation	6
8 Test report	6
Annex A (normative) ISO contraries comparison chart	7
Annex B (normative) Instrumental procedure	8
Annex JA (normative) Contraries comparison chart of visual inspection method	11
Annex JB (informative) Comparison table between JIS and corresponding International Standard	12

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Technical Association of the Pulp and Paper Industry (JAPAN TAPPI)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS P 8145:1976** is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public or utility model right. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public or the utility model right.

Paper and board — Estimation of contraries

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 15755** published in 1999 with the addition of the visual inspection method which is widely used in Japan for estimation of contraries as an optional method.

The portions given sidelines or dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with explanations is given in Annex JB.

1 Scope

This Standard specifies the test method for the estimation by reflected light of the visible contraries in paper and board. Visual inspection is applicable to most kinds of paper and board.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 15755 : 1999 *Paper and board — Estimation of contraries* (MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS P 8110 *Paper and board — Sampling to determine average quality*

NOTE : Corresponding International Standard : ISO 186 *Paper and board — Sampling to determine average quality* (IDT)

JIS P 8208 *Pulps — Estimation of contraries*

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 sheet

a sheet of paper or board taken from a packet, bale or roll of paper

3.2 test piece

an area on a sample or test sheet recognized for inspection

3.3 contrary

any unwanted particle or spot larger than the specified minimum size and having a