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**Textiles—Measurement method of  
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## **Foreword**

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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# Textiles—Measurement method of anti-see-through property

## Introduction

This Japanese Industrial Standard has been established to lay out requirements for anti-see-through property of textile products in light of the actual production and usage in Japan.

The sight of underwear being visible through clothes is generally viewed with negative impression. This has promoted development of various textile products, such as swimming wear, blouses, uniforms and women's bottom wear, that use textiles with reduced transparency which makes it hard to see through them. Typical methods of giving anti-see-through property to these products include weaving titanite oxide into fibres or using modified cross-section yarns for reducing fibre transparency.

The objective of this Standard is to evaluate the anti-see-through property of these textile products. For information, Annex A shows examples of judgement criteria for the test results and Annex B, examples of test results obtained from commercial anti-see-through textile products.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard specifies the methods for evaluating the anti-see-through property of textile products with reduced transparency, used for clothes, particularly swimming wear, blouses, uniforms and women's bottom wear.

## 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 K 0557 *Water used for industrial water and wastewater analysis*

JIS L 0105 *General principles of physical testing methods for textiles*

JIS L 0208 *Glossary of terms used in textile industry—Testing*

JIS L 0801 *General principles of testing methods for colour fastness*

JIS L 0805 *Grey scale for assessing staining*

JIS P 3801 *Filter paper (for chemical analysis)*

JIS Z 8703 *Standard atmospheric conditions for testing*

JIS Z 8720 *Standard illuminants and sources for colorimetry*

JIS Z 8722 *Methods of colour measurement—Reflecting and transmitting objects*

JIS Z 8781-4 *Colorimetry—Part 4: CIE 1976 L\*a\*b\* Colour space*