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antifungal activity and efficacy of
textile products**

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In the event of any doubts arising as to the contents,
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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Textile Evaluation Technology Council (JTETC)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Textiles—Determination of antifungal activity and efficacy of textile products

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 13629-1** published in 2012 with some modifications of the technical contents to correspond to technical trend and actual situation in Japan.

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

1 Scope

This Standard specifies a test method for the quantitative determination of the antifungal activity by measuring the intensity of luminescence produced by an enzymatic reaction of adenosine triphosphate (hereafter referred to as “ATP”), and antifungal efficacy.

This Standard is applicable to various kinds of textile products, such as yarns, woven and nonwoven fabrics, clothing, bedclothes, home furnishings and other miscellaneous goods.

Based on the intended application and on the environment in which the textile product is to be used, the user can select the most suitable evaluation method from the following methods.

- a) **Absorption method** An evaluation method in which spore suspension is inoculated directly onto the specimens.
- b) **Transfer method** An evaluation method in which test fungi are placed on an agar plate and printed onto the specimens.

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

ISO 13629-1:2012 *Textiles—Determination of antifungal activity of textile products—Part 1: Luminescence method* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards 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 K 8150 *Sodium chloride (Reagent)*