

# JAPAN

## EDICT OF GOVERNMENT

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JIS Z 2801 (2012) (English): Antibacterial products -- Test for antibacterial activity and efficacy

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*The citizens of a nation must  
honor the laws of the land.*

Fukuzawa Yukichi

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# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

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JIS Z 2801 : 2012

(SIAA)

**Antibacterial products—Test for  
antibacterial activity and efficacy**

(Amendment 1)

JIS Z 2801:2010 was revised under date of May 21, 2012. The revised items are included in this Amendment 1 and use this in combination with JIS Z 2801:2010.

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ICS 07.100.10;11.100;19.040;83.080.01

Reference number : JIS Z 2801 : 2012 (E)

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## Foreword

This translation has been made based on the Amendment to 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 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 Z 2801:2010** is partially replaced with this Amendment.

Date of Establishment: 2000-12-20

Date of Revision: 2012-05-21

Date of Public Notice in Official Gazette: 2012-05-21

Investigated by: Japanese Industrial Standards Committee  
Standards Board

Technical Committee on Consumer Life Products

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In the event of any doubts arising as to the contents,  
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# Antibacterial products—Test for antibacterial activity and efficacy (Amendment 1)

JIS Z 2801:2010 is revised as follows.

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## 1 Scope

Replace clause 1 by the following.

"This Standard specifies the test for antibacterial activity and efficacy to bacteria on the surface of antibacterial products (including intermediate products) of plastic products, metal products, ceramics products, etc. excluding the textile products and the photocatalytic products (including hybrid photocatalyst products which have antibacterial performances with a combination of photocatalysts and non-photocatalysts).

In addition, when the antibacterial efficacy of non-photocatalysts in hybrid photocatalytic products is evaluated, the test is in accordance with Annex A of JIS R 1702. Secondary effects of antibacterial efficacy such as fungal resistance, odour prevention and biodeterioration are not covered by this Standard.

NOTE 1 For the products which are determined that the test method for textile products should be applied from their usage, shape, etc., clause 10 of JIS L 1902 may be applied.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 22196: 2007 *Plastics—Measurement of antibacterial activity on plastics surfaces* (MOD)

In addition, 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

Add "JIS R 1702 *Fine ceramics (advanced ceramics, advanced technical ceramics)—Test method for antibacterial activity of photocatalytic products and efficacy*".

## Annex JA (informative) Comparison table between JIS and corresponding International Standard

Replace "1 Scope" by the following.

**Annex JA (informative)**

**Comparison table between JIS and equivalent International Standards**

<b>JIS Z 2801 : 2010</b> <i>Antibacterial products—Test for antibacterial activity and efficacy</i>		<b>ISO 22196 : 2007</b> <i>Plastics—Measurement of antibacterial activity on plastics surfaces</i>					
(I) Requirements in <b>JIS</b>		(II) International Standard numbers	(III) Content specified in International Standards		(IV) Classification and details of technical deviation between <b>JIS</b> and the International Standards by clause		(V) Justification for the technical deviation and future measures
No. and title of clause	Content		No. of Clause	Content	Classification by clause	Content of technical deviation	
1 Scope	The testing method for antibacterial activity and efficacy to bacteria on the surface of antibacterial products (including intermediate products) excluding the textile products and the photocatalytic products is specified. When the antibacterial efficacy of non-photocatalysts in hybrid photocatalytic products is evaluated, this specification may be applied.		1	The evaluating method of only the bacterial activity of antibacterial-treated plastic products (including intermediate products) is specified. However, it is mentioned in "Note" that it may also be suitable for other non-porous materials.	Addition	In <b>ISO</b> Standard, the object product is limited to only plastics products. Also in <b>ISO</b> Standard, there is no criteria of antibacterial efficacy. In addition, photocatalytic products are not described.	The limitation of object product in <b>ISO</b> Standard is based on such a system of <b>ISO</b> organization as being investigated in the committee of experts. In Japan, it is demanded from the consumers that the criteria of antibacterial efficacy is specified when antibacterial products are evaluated. There is no substantial deviation in testing methods. In <b>ISO</b> Standard, the test method for antibacterial activity of photocatalytic materials is specified in <b>ISO 27447</b> .

Errata for JIS (English edition) are printed in *Standardization and Quality Control*, published monthly by the Japanese Standards Association, and also provided to subscribers of JIS (English edition) in *Monthly Information*.

Errata will be provided upon request, please contact:  
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