

JAPANESE INDUSTRIAL STANDARD

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(JCMA/JSA)

Testing methods for efficacy against house dust mite of textiles

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

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Contents

]	Page
Introd	luction ·····		·1
1			
2	-	rences ······	
3	Terms and defin	nitions ·····	. 3
4 4.1 4.2 4.3	Repelling methor Proliferation me	od ·······ethod ······thod ······	$egin{array}{c} \cdot 4 \\ \cdot 5 \end{array}$
5 5.1 5.2	Reagents	estnstruments	.6
6 6.1 6.2	Sampling proce	dure ······ole	.9
7 7.1 7.2	Sample ······		10
8 8.1 8.2	Laboratory ·····	e · · · · · · · · · · · · · · · · · · ·	12
9 9.1 9.2 9.3 9.4			
10	Test report ······		13
Annex	A (normative)	Preparation of mite medium ·····	
Annex	B (normative)	Counting methods for live mites ·····	
Annex	C (normative)	Petri-dish method ·····	22
Annex	D (normative)	Glass tube method ·····	26
Annex	E (normative)	Proliferation method ······	31
Annex	F (normative)	Penetration method ······	37

m L~1920:2022	2	
---------------	---	--

Annex JA (informative)	Comparison table between JIS and corresponding
	International Standard · · · · · 41

Foreword

This Japanese Industrial Standard has been 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 Carpet Manufacturers Association (JCMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (JIS L 1920: 2007), which has been technically revised.

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JIS L 1920: 2022

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 21326**: 2019, Edition 1, with some modifications of the technical contents, mainly addition of test methods uniquely used in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies test methods for determining efficacy of textile products against house dust mites. The methods covered in this Standard applies to textile products treated chemically for suppressing house dust mites and textile products treated physically for preventing house dust mites from passing through.

This Standard covers the repelling method and proliferation method intended for textile products treated chemically for suppressing house dust mites, and the penetration method intended for textile products treated physically for preventing house dust mites from passing through. Each test method is further classified as follows.

- Repelling method, using either Petri-dish or glass tube. The glass tube method is further classified into method A and method B according to the applicable textile products.
- Proliferation method, classified into method A and method B according to the type and shape of applicable textile products. The two methods use different test containers.
- Penetration method, a material test as with the repelling method and proliferation method. It is generally applied to fabric materials, but can also be applied to fabrics containing sewing lines or fasteners depending on their shape or size. This method is not applicable to textile products that stop the mites at the fibre layer without allowing them to penetrate through the fabric.

Application of these methods according to the type, shape, size, etc. of textile products is as follows.

- **Petri-dish method**, applied to carpet, bedding surface fabric, bed sheeting, bed covering, blanket, etc.
- **Glass tube method A**, applied to wadding, etc. with a fibre content of cotton, wool, synthetic fibre, etc.
- Glass tube method B, applied to feathers/down, etc.