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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 32601.2-2016

**Textiles -- Determination of the resistance of cellulose-containing
textiles to micro-organisms -- Soil burial test -- Part 2: Identification of
long-term resistance of a rot-retardant finish**

纺织品 含纤维素纺织品抗微生物性的测定 土埋试验 第2部分：防腐长期性的评定
(English Translation)

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Foreword

GB/T 32601 "Determination of antimicrobial properties of textiles containing cellulose textiles buried test" is divided into the following two parts.

- Part 1. Assessment of corrosion resistance;
- Part 2. Long - term assessment of corrosion.

This part is part 2 of GB/T 32601.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the re-drafting method to modify the use of ISO 11721-2.:2003 "Determination of microbial resistance of textiles containing cellulose textiles Soil safety testing - Part 2. Long - term assessment of corrosion preserving. The main differences between this section and ISO 11721-2.:2003 are.

- the normative reference document in the international standard replaced by the corresponding national standards;
- 80% reduction in $(80 \pm 5)\%$ reduction in the control fracture in Chapter 9, consistent with Part 1;
- Added a description of the reduction rate in 10.1 "ie 1-qH, M".

This part is proposed by the China Textile Industry Federation.

This part is headed by the National Textile Standardization Technical Committee (SAC/TC209).

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Textiles - Determination of antimicrobial properties of cellulose - containing textiles Soil safety testing - Part 2. Long - term assessment of corrosion protection

1 Scope

This part of GB/T 32601 specifies the method for the long-term resistance of microorganisms to soils by soil embedding.

This part applies to the distinction between non-general corrosion resistance, long-term corrosion resistance and ultra-long-term corrosion of anti-corrosion finishing to assess the anti-corrosion finishing products the applicability.

As the soil buried test is a biochemical process, there is no precise provisions for the test soil, this part only covers the anti-corrosion finishing and no anti-corrosion Comparison of the samples between the samples.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 32601.1-2016 Textiles - Determination of antimicrobial properties of cellulosic textiles - Buried testing - Part 1. Corrosion protection (ISO 11721-1.:2001, MOD) GB/T 3923.1 Tensile properties of textile fabrics - Part 1. Determination of breaking strength and elongation at break (strip method) (ISO 13934-1.:1999, MOD)

3 Safety precautions

This part requires the use of growthable mold propagules and suitable for mold and bacterial breeding environment, the test operator should go through the microbes Training and compliance with the general requirements for laboratory biosecurity.

4 Principle

According to GB/T 32601.1-2016 requirements, the finishing samples and unprocessed samples for soil buried test, until the unprocessed samples the breaking strength is reduced by about 80% and the time required is defined as the buried time interval f_1 .

After $2 \times f_1$ time, from the test soil out of a group of samples, the determination of the long-term corrosion of the sample; after $4 \times f_1$ time, and then Remove a set of samples,

determination of long-term corrosion resistance.

5 Equipment and reagents

5.1

Containers, in accordance with the requirements of 5.1 of GB/T 32601.1-2016.

5.2

Test soil, in line with the requirements of 5.2 in GB/T 32601.1-2016.

6.1 Preparation

Samples were prepared according to the requirements of 6.1 of GB/T 32601.1-2016.