

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HJ 2546-2016

Replacing HJ/T 309-2006; HJ/T 307-2006

Technical requirement for environmental labeling products Textile products

环境标志产品技术要求 纺织产品

(English Translation)

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Table of Contents

Preface

1 Scope of application

2 Normative reference document

3 Terms and definitions

4 Basic requirements

5 Technical content

6 Test method

Appendix A (normative) carcinogenic aromatic amines

Appendix B (normative) Prohibited use of carcinogenic dyes

Appendix C (normative) prohibits the use of sensitized disperse dyes

Appendix D (normative) Restricted use of chlorinated phenol

Annex E (normative) restrictions on the use of chlorobenzene and chlorinated toluene

Appendix F (normative) Restricted use of phthalate

Appendix G (normative) Restricted use of PAHs

Foreword

To implement the "People's Republic of China Environmental Protection Law" to reduce the textile products in the production and use of the environment and human health Influence, protect the environment, develop this standard.

This standard on the production of textile products,, toxic and hazardous substances and product packaging and other requirements.

This standard will be "environmental labeling products technical requirements eco-textiles" (HJ/T 307-2006) and "environmental labeling products technology (HJ/T 309-2006), the main changes are as follows.

- Adjusted the standard name and scope of application;
- Increased requirements for baking of surfactants and asbestos fibers in raw materials - Increased restrictions on the use of coating finishing agents and hazardous substances in the coloring process used in the production process;
- Added dyes, insecticides, flame retardant finishing agents, chlorinated benzene and chlorinated toluene, phthalates, organotin compounds Disable category - Adjusted formaldehyde requirements;

- Increased total lead, total cadmium content, polycyclic aromatic hydrocarbons, perfluorinated compounds, residual surfactants, fumaric acid di Methyl ester requirements;
- increased product packaging requirements;
- Removes the requirements of antibacterial finishing agents, color fastness, volatile substances, metal sharp objects;
- Adjust the inspection method.

This standard is organized by the Ministry of Environmental Protection Science and Technology Standards Division.

The main drafting unit of this standard. Environmental Development Department of Environmental Protection, Textile Industry Southern Science and Technology Testing Center, Jiangsu Entry and Exit Inspection Inspection and Quarantine Bureau of textile industry product testing center, reputation standard detection (Shenzhen) Co., Ltd., Guangdong Esquel Textile Co., Ltd., Zhejiang hi Po Silk Technology Co., Ltd., Zhejiang Furun Printing and Dyeing Co., Ltd., Huzhou Zhenbei Cashmere Products Co., the environmental protection department of this standard approved on November 14, 2016.

This standard has been implemented since January 1, 2017.

This standard is explained by the Ministry of Environmental Protection.

This standard replaced the previous version of the standard release.

- HJ/T 307-2006, HJ BZ 30-2000, HJ BZ 30-1998, HJ BZ 005-1994;
- HJ/T 309-2006, HJ BZ 11-1996.

Environmental labeling products Technical requirements Textile products

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical contents and test methods for textile product environmental labeling products.

This standard applies to all types of textile products.

2 Normative reference documents

The contents of this standard refer to the terms of the following documents. For undated references, the valid version applies to this standard.

Technical specification for basic safety of national textile products GB 18401-2010 Technical code for safety of infant and children 's textile products GB 31701-2015 GB/T 2912.1-2009 Textiles - Determination of formaldehyde - Part 1. Free hydrolysis of formaldehyde (water extraction) Textiles - Determination of pH value of aqueous extract Textiles - Determination

of heavy metals GB/T 17593-2006 GB/T 18414.1-2006 Textiles - Determination of chlorinated phenol - Part 1. Gas chromatography - mass spectrometry Textiles - Determination of chlorophenol - Part 2. Gas chromatographic method GB/T 18414.2-2006 GB/T 18455 Packaging Recycling Mark Technical requirements for eco - textiles GB/T 18885 Textiles - Determination of benzene and chlorinated toluene residues GB/T 20384-2006 Textiles - Determination of organotin compounds GB/T 20385-2006 Textiles - Determination of o - phenylphenol GB/T 20386-2006 Textiles - Determination of phthalate esters GB/T 20388-2006 Textiles - Determination of surface active agent - Alkylphenol ethoxylates GB/T 23322-2009 GB/T 23972-2011 Determination of alkylphenols and alkylphenol polyoxyethylene ethers in textile dyeing and finishing aids High performance liquid chromatography /Mass spectrometry Paints and varnishes - Determination of volatile organic compounds (VOC) content - Gas chromatographic method GB/T 23986-2009 GB/T 23986-2009 Textiles - Determination of polycyclic aromatic hydrocarbons (PAHs) GB/T 28189-2011 GB/T 28190-2011 Textiles - Determination of dimethyl fumarate Textiles - Determination of total lead and total cadmium content GB/T 30157-2013 HJ 2541 Environmental labeling products Technical requirements Adhesives HJ/T 185-2006 Cleaner Production Standard Textile (Cotton Printing and Dyeing) HJ/T 359-2007 Clean production standard Chemical fiber industry (polyester) HJ/T 429-2008 Clean production standard Chemical fiber industry (spandex) SN/T 2842-2011 Determination of perfluorooctane sulfonate and perfluorooctanoic acid in textiles by liquid chromatography tandem mass spectrometry

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Textile products

To natural fiber and/or chemical fiber as the main raw material, by spinning, weaving, dyeing and other processing technology or by sewing, composite and other processes made Products such as yarns, fabrics and their finished products. (GB 18401-2010)

3.2 Infant Textile Products textile products for infants

The age of 36 months and below the infants wear or use of textile products. (GB 18401-2010)

3.3 Children's textile products textile products for children

Textiles for children aged 3 years and older and children 14 years of age or older Note 1. (GB 31701-2015)

Note 1: Generally apply to the height of 100cm or more, 155cm and below girls or 160cm and below the boys wearing or use the textile Products can be used as children's textile products. Among

them, 130cm and below children can be seen as children under the age of 7 clothing. (GB 31701-2015)

3.4 Textile products with direct contact with skin

In the wearing and use of the product, most of the area directly with the human skin contact with the textile products. (GB 18401-2010)

3.5 Textile products that are not directly exposed to skin textile products without direct contact to skin when dressed and used, the product is not directly in contact with human skin, or only a small area of direct contact with the human skin in contact with the textile product. (GB 18401-2010)

3.6 Decorative textile products Decorative textile products

For decorative products (such as tablecloths, wall covering, curtains, carpets, etc.).

4 Basic requirements

4.1

product quality, safety performance should meet the requirements of the corresponding standards.

4.2

The pollutant discharge of the product manufacturer shall conform to the pollutant discharge standard stipulated by the state or local.

4.3

production process should strengthen the clean production, which spandex, polyester and cotton printing and dyeing enterprises should be clean production level HJ/T 429-2008, HJ/T 359-2007, HJ/T 185-2006 Secondary standard requirements.

5.1 Requirements for the production process

5.1.1

The substances listed in Table 1 are not used in the production of textile products.

Table 1 Prohibited substances used in the production of textile products

Category Prohibited substances used in the production process dye can be decomposed carcinogenic aromatic amine azo dyes (carcinogenic aromatic amine see Appendix A), carcinogenic dye (see attached Recorded B), sensitizing disperse dyes (see Appendix C) Flame retardant finishing agent Polybrominated biphenyls (PBB), tris- (2,3-dibromopropyl) -phosphate (TRIS), triethyl phosphonoacetate (TEPA), pentabromodiphenyl ether (PeBDE), octabromodiphenyl ether (OcBDE), decabromodiphenyl ether (HBCDD), short chain