

Translated English of Chinese Standard: GB18580-2017

[www.ChineseStandard.net](http://www.ChineseStandard.net)

[Sales@ChineseStandard.net](mailto:Sales@ChineseStandard.net)

# GB

NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA

ICS 79.060.01  
B 70

## GB 18580-2017

Replacing GB 18580-2001

### Indoor Decorating and Refurbishing Materials – Limit of Formaldehyde Emission of Wood- based Panels and Finishing Products

GB 18580-2017 How to BUY & immediately GET a full-copy of this standard?

1. [www.ChineseStandard.net](http://www.ChineseStandard.net);
2. Search --> Add to Cart --> Checkout (3-steps);
3. No action is required - Full-copy of this standard will be automatically & immediately delivered to your EMAIL address in 0~60 minutes.
4. Support: [Sales@ChineseStandard.net](mailto:Sales@ChineseStandard.net). Wayne, Sales manager

**Issued on: May 31, 2017**

**Implemented on: December 1, 2017**

**Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China;  
Standardization Administration of the People's Republic of China.**

## Table of Contents

Foreword.....	3
1 Application Scope.....	5
2 Normative References.....	5
3 Terms and Definitions.....	5
4 Requirements.....	5
5 Test Method.....	6
6 Evaluation Criterion.....	6
7 Test Report.....	6
Annex A (Informative) Test Methods for Formaldehyde Emission for Production Quality Control.....	7

## Foreword

**Article 4 of this Standard is compulsory; the others are voluntary.**

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB 18580-2001, *Indoor Decorating and Refurbishing Materials – Limit of Formaldehyde Emission of Wood-Based Panels and Finishing Products*.

Compared with GB 18580-2001, the major changes of this Standard are as follows:

- it cancels classification;
- it modifies the test method of 1 m<sup>3</sup> climate chamber into reference;
- it cancels the 40 L desiccator method and limit values. It cancels the limit values for the (9 ~ 11) L desiccator method and perforator extraction method;
- the (9 ~ 11) L desiccator method and perforator extraction method only apply to production quality control;
- it adds the gasometric analysis method for production quality control;
- it modifies the articles of inspection rules;
- it cancels the articles of product marking.

The formaldehyde emission 1 m<sup>3</sup> climate chamber method of this Standard is consistent with ISO 12460-1:2007 *Wood-based Panels – Determination of Formaldehyde Release – Part 1: Formaldehyde Emission by the 1-cubic-meter Chamber Method*. The limit values are basically consistent with the corresponding parts of ISO 16893:2016 *Wood-based Panels – Particleboard* and ISO 16895:2016 *Wood-based panels -- Dry-process Fibreboard*.

This Standard was proposed by the State Forestry Administration.

This Standard shall be under the jurisdiction of the National Standardization Technical Committee on Artificial Boards (SAC/TC 198).

The drafting organizations of this Standard: Chinese Academy of Forestry Research Institute of Wood Industry, Zhejiang Quality Testing Station of Forest Products, Jiangxi Product Quality Supervision and Testing Institute, Nanjing Forestry University, Xuzhou Product Quality Supervision and Testing Centre, Jiangsu Entry-exit Inspection and Quarantine Bureau Industrial Products Testing Centre, Sichuan Shengda Forestry Industry Co., Ltd., Dare Wood-based Panel Group Co., Ltd., Tubaobao Co., Ltd., Hunan Sao Paulo Wood Industry Co., Ltd., Jilin Forest Industry Co., Ltd., Krono (Beijing) Wood Co., Ltd., Kunming Xinfeliln Panel Board Co., Ltd., Treezo Group Co., Ltd., Power Dekor Group Co., Ltd., Dynea Chemical Industry Co., Ltd., Asia Dekor

# Indoor Decorating and Refurbishing Materials – Limit of Formaldehyde Emission of Wood-based Panels and Finishing Products

## 1 Application Scope

This Standard specifies the requirements, test method<sup>1</sup>, evaluation criterion and test report and other contents of limit of formaldehyde emission of wood-based panels and finishing products for indoor decoration and refurbishment.

This Standard applies to the limit of formaldehyde emission of all kinds of indoor wood-based panels and finishing products such as fibreboards, particleboards, plywood, blockboards, reconstituted decorative lumbers, laminated veneer lumbers, laminated wood, surface decorated wood-based panels, wood floorings, wood wallboards and wood doors and windows.

## 2 Normative References

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

GB/T 17657-2013, *Test Methods of Evaluating the Properties of Wood-based Panels and Surface Decorated Wood-based Panels*

GB/T 18259-2009, *Terms of Wood-based Panel and Its Surface Decoration*

## 3 Terms and Definitions

For the purposes of this Standard, the terms and definitions defined in GB/T 18259-2009 apply to this Standard.

## 4 Requirements

The limit of formaldehyde emission of wood-based panels and finishing products for

---

<sup>1</sup> The manufacturer may use the gasometric analysis method, desiccator method or perforator extraction method (refer to Annex A) for production control and establish the correlation between it and the 1 m<sup>3</sup> climate chamber method, in order to satisfy the requirements of this Standard.

**This is an excerpt of the PDF (Some pages are marked off intentionally)**

**Full-copy PDF can be purchased from 1 of 3 websites:**

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

3. <https://www.google.com/search?tbm=bks&q=ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Google Books -- Select your currency.
- Processed by Google (delivery, tax invoice etc.). Delivered in 9 seconds by Google.
- Tips: Download an unprotected **True-PDF** (text-editable) from Google-Books:
  1. <https://play.google.com/books> → 2. Sign in → Google account
  3. Find the **BOOK** you bought → 4. Click "3-dots" → Export
  5. Save as "\*.pdf" (Save True-PDF to your local computer for offline reading/printing)

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

Accountable person and shareholder: Wayne Zheng

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, [Sales@ChineseStandard.net](mailto:Sales@ChineseStandard.net)

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----