



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

GB/T 16716.1-2018

Packaging and the environment -- Part 1: General rules

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Foreword

GB/T 16716 "Packaging and the environment" is divided into six parts.

- Part 1.General rules;
- Part 2.Optimization of the packaging system;
- Part 3.Reuse;
- Part 4.Material recycling;
- Part 5.Energy recovery;
- Part 6.Organic recycling.

This Part is Part 1 of GB/T 16716.

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

This Part replaces GB/T 16716.1-2008 "Packaging and packaging waste - Part 1.

General rules of disposal and utilization" and GB/T 16716.2-2010 "Packaging and packaging waste - Part 2.Means and program for evaluation". Compared with GB/T 16716.1-2008 and GB/T 16716.2-2010, in addition to editorial modifications, the main technical changes are as follows.

- Change the standard name to "Packaging and the environment - Part 1.General rules";
- Add basic requirements on raw material selection, manufacturing, and packaging waste disposal (see 4.2, 4.3, 4.4, 4.6, 4.7, 4.8, 4.9, 4.10, 4.12, 4.13);

- Make editorial modifications to the basic principles and methods, requirements, procedures, assessment criteria, and applicable technical content of GB/T 16716.2-

2010 (see 5.1, 5.2, 5.4.1, 5.4.2, 5.5, and Annex B; Clause 4, Clause 5, Clause 6,

and Annex A of GB/T 16716.2-2010 edition);

- Adjust part of the requirements and methods of GB/T 16716.1-2008; add recycling and disposal methods of various types of packaging and packaging waste (See Annex A; Clause 4 and Clause 5 of GB/T 16716.1-2008 edition);

- Delete the effect assessment criteria of GB/T 16716.1-2008 (see Clause 6 of GB/T 16716.1-2008 edition).

This Part uses the redraft law to modify and adopt ISO 18601.2013 "Packaging and the environment - General requirements for the use of ISO standards in the field of packaging and the environment".

Compared with ISO 18601.2013, this Part has structural changes. Add Annex A and Annex B. Delete Bibliography. Delete Annex A of ISO 18601.2013. Adjust Annex B of ISO 18601.2013 to Annex C of this Part.

Compared with ISO 18601.2013, this Part has technical differences. The clauses involved in these differences have been marked by a vertical single line (|) in the outer margin position. The technical differences and their reasons are as follows.

- As for the normative references, this Standard has made adjustments with technical differences, to adapt to the technical conditions of China. The adjustments are mainly reflected in Clause 2 "Normative references". The main adjustments are as follows.

? Replace ISO 18602 with GB/T 16716.2 which modifies and adopts the international standard;

? Replace ISO 18603 with GB/T 16716.3 which modifies and adopts the international standard;

? Replace ISO 18604 with GB/T 16716.4 which modifies and adopts the

international standard;

? Replace ISO 21067 with GB/T 23156;

? Add GB/T 4122.1 Packaging terms - Part 1.Basic;

? Add GB/T 16288 Marking of plastics products;

? Add GB 16889 Standard for Pollution Control on the Landfill Site of
Municipal Solid Waste;

? Add GB/T 18455 Package recycling marking;

? Add GB 18484 Pollution Control Standard for Hazardous Waste Incineration;

? Add GB 18485 Standard for pollution control on the municipal solid waste
incineration;

? Add GB/T 18772 Technical requirement for environmental monitoring on
municipal solid waste sanitary landfill;

? Add GB 23350 Requirements of restricting excessive package - Foods and
cosmetics;

? Add GB/T 31268 Restricting excessive packaging for commodity - General
rule;

? Add GB/T 32161 General principles for eco-design product assessment;

? Add CY/T 132.2 Green printing products - Criteria for conformity assessment
- Part 2.Packaging-type printed matter;

? Add HJ 209 Technical requirement for environmental labeling products -
Plastic packaging products;

? Add Evaluation Index System of Cleaner Production in Packaging Industry
(Trial) (National Development and Reform Commission);

- Add the basic requirements for the compliance of packaging with environmental
friendliness, to adapt to the technical conditions of China (see Clause 4);

- Add assessment requirements and criteria, to enhance operability (see 5.3).

The following editorial changes have been made to this Part.

- In order to be consistent with the existing standard system, change the name to

"Packaging and the environment - Part 1.General rules";

- Adjust the terms and definitions in Clause 3;
- Make editorial changes to the Introduction, Clause 4, and Clause 5 of ISO 18601.2013;
- Add Annex A (Informative) "Recycling and disposal methods of various types of packaging and packaging waste";
- Delete the Informative Annex A "Partial list of the functions packaging may perform" of ISO 18601.2013.

This Part was proposed by and shall be under the jurisdiction of National Technical Committee 49 on Packaging of Standardization Administration of China (SAC/TC 49).

Drafting organizations of this Part. China National Export Commodities Packaging Research Institute; Guangzhou Supreme Technology & Testing Service Co., Ltd.; Professional Committee of Laminated Film, China Plastics Processing Industry Association; Dalian Institute of Product Quality Supervision and Inspection; Guangdong Chigo Air Conditioning Co., Ltd.; Dongguan Institute of Packaging, Hunan University of Technology; Shenzhen Printing Association; Chaozhou Institute of Quality & Metrology Supervision & Inspection; Shandong Liman Packaging Printing Co., Ltd.; Sunrise Packaging Material (Jiangyin) Co., Ltd.

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The previous editions of the standard replaced by this Part were released as follows.

- GB/T 16716-1996;
- GB/T 16716.1-2008;
- GB/T 16716.2-2010.

1 Scope

This Part of GB/T 16716 specifies the basic requirements and assessment methods for packaging compliance with environmental friendliness.