

Translated English of Chinese Standard: GB/T33761-2024

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 13.020.10

CCS Z 04

GB/T 33761-2024

Replacing GB/T 33761-2017

General Principles for Green Product Assessment

绿色产品评价通则

Issued on: November 28, 2024

Implemented on: November 28, 2024

Issued by: State Administration for Market Regulation;

Standardization Administration of the People's Republic of China.

Table of Contents

Foreword.....	3
1 Scope	5
2 Normative References	5
3 Terms and Definitions	5
4 Basic Principle	5
4.1 Determination of evaluation object.....	5
4.2 Selection of evaluation indicators.....	6
4.3 Evaluation indicator classification.....	6
5 Evaluation Indicators	6
5.1 Indicator system	6
5.2 Basic requirements	7
5.3 Evaluation indicator requirements.....	7
5.4 Encouraging requirements.....	8
5.5 Testing and calculation methods.....	8
6 Evaluation Methods	8
7 Content Framework of Green Product Evaluation Standards.....	8
Appendix A (Normative) Content Framework of Green Product Evaluation Standards	9
Bibliography	11

Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 *Directives for Standardization – Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This Document replaced GB/T 33761-2017 *General Principles for Green Product Assessment*. Compared with GB/T 33761-2017, the major technical changes of this Document are as follows besides the structural adjustments and editorial modifications:

- a) Change the scope (see Clause 1 of this Edition; Clause 1 of the 2017 Edition);
- b) Change the definition of "green product" (see 3.1 of this Edition; 3.1 of the 2017 Edition);
- c) Delete the term and definition of "benchmark value of evaluation indicator" (see 3.2 of the 2017 Edition);
- d) Change "determination of evaluation object" and provisions (see 4.1 of this Edition; 4.1 of the 2017 Edition);
- e) Change "selection of evaluation index" (see 4.2 of this Edition; 4.2 of the 2017 Edition); delete "follow the principle of 'representativeness'" and "follow the principle of 'applicability'"; add "operability"; and changed the expressions of "life cycle concept", "compatibility" and "advance" (see 4.2.1, 4.2.2, 4.2.3, 4.2.4 of this Edition; 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5 of the 2017 Edition);
- f) Add "Evaluation indicator classification" and requirements (see 4.3 of this Edition);
- g) Change "indicator system" (see 5.1 of this Edition; 5.1 of the 2017 edition);
- h) Change "basic requirements" (see Items 1 and 3 in 5.2 of this Edition; Items 1 and 3 in 5.2 of the 2017 Edition);
- i) Change "resource attribute indicators" requirements (see 5.3.1 of this Edition; 5.3.1 of the 2017 Edition);
- j) Change "environmental attribute indicators" requirements (see 5.3.3 of this Edition; 5.3.3 of the 2017 Edition);
- k) Change "quality attribute indicators" requirements (see 5.3.4 of this Edition; 5.3.4 of the 2017 Edition);
- l) Add "low carbon attribute indicators" (see 5.3.5 of this Edition);
- m) Add "encouraging requirements" (see 5.4 of this Edition);
- n) Delete "Principles for determining indicator benchmark values" (see 5.4 of the 2017

General Principles for Green Product Assessment

1 Scope

This Document stipulates the basic principles of green product evaluation, evaluation indicators, evaluation methods and content framework of green product evaluation standards.

This Document is applicable to the formulation and revision of green product evaluation standards and guides the design, development and evaluation of green products.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates indicated are applicable to this Document; for the undated documents, only the latest version (including all the amendments) is applicable to this Document.

GB/T 19001 Quality management systems - Requirements

GB/T 23331 Energy management systems - Requirements with guidance for use

GB/T 24001 Environmental management systems - Requirements with guidance for use

3 Terms and Definitions

For the purposes of this Document, the following terms and definitions apply.

3.1 Green product

During the life cycle, the products that meet the environmental protection requirements, are harmless or less harmful to the ecological environment and human health, consuming less resources and energy, having low carbon emissions and high quality.

4 Basic Principle

4.1 Determination of evaluation object

Refer to GB/T 7635.1; and classify products with similar green and low-carbon characteristic indicators as evaluation objects.

4.2 Selection of evaluation indicators

4.2.1 Life cycle concept

Select evaluation indicators based on the life cycle stages such as raw material acquisition, production, use, and waste treatment.

4.2.2 Operability

Evaluation indicators are quantifiable, detectable, and verifiable.

4.2.3 Compatibility

Evaluation indicators take into account product resources, energy, environment, low carbon, and quality attributes.

4.2.4 Advance

The evaluation indicators are advanced, and products that meet the green product evaluation requirements shall be advanced among similar products.

4.3 Evaluation indicator classification

The evaluation indicators are divided into two levels. In principle, green products shall not exceed 30% of similar products; and green benchmark products shall not exceed 5% of similar products.

5 Evaluation Indicators

5.1 Indicator system

The indicator system includes basic requirements, evaluation indicators and encouraging requirements:

- Basic requirements include requirements in energy-saving and environmental protection laws and regulations, process technology, management system and related product standards that shall be met;
- Evaluation indicators include five Level-1 indicators: resource attribute indicators, energy attribute indicators, environmental attribute indicators, quality attribute indicators and low-carbon attribute indicators. Level-2 indicators are set under the Level-1 indicators;
- Other requirements that encourage production enterprises to meet.

5.2 Basic requirements

The basic requirements that manufacturers and products meet include but are not limited to:

- The pollutant emission status of manufacturers shall comply with relevant environmental protection laws and regulations, and meet the requirements of national and local pollutant emission standards; and have no major or above safety accidents and major or above environmental pollution incidents in the past three years;
- The total amount of pollutants controlled by manufacturers shall comply with national and local pollutant emission total amount control indicators;
- The management of manufacturers shall establish and operate quality management systems, environmental management systems and/or energy management systems in accordance with GB/T 19001, GB/T 24001 and/or GB/T 23331;
- The product quality level shall meet the requirements of relevant national standards or industry standards for products.

5.3 Evaluation indicator requirements

5.3.1 Resource attribute indicators

Focus on selecting indicators such as the reduction and recycling of raw materials, packaging materials and water resources.

5.3.2 Energy attribute indicators

Focus on selecting indicators of energy conservation and energy efficiency in the production or use of products.

5.3.3 Environmental attribute indicators

Focus on selecting indicators such as pollutant emissions and limited use of toxic and hazardous substances during production, and limited use of toxic and hazardous substances during use.

5.3.4 Quality attribute indicators

Focus on selecting indicators such as product durability, upgradeability, comfort and safety, and intelligence that affect quality.

5.3.5 Low-carbon attribute indicators

Focus on selecting indicators such as carbon footprint quantification, low-carbon raw materials, processes, technologies, and equipment.

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

Full-copy PDF can be purchased from 1 of 2 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).

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

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

Contact: Wayne Zheng, Sales@ChineseStandard.net

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

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