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

**GB/T 46124-2025**

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**Commercial beverage coolers - Classification, requirements  
and test conditions**

商用饮料冷藏柜 分类、要求和试验条件

**(English Translation)**

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## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is equivalent to ISO 22044:2021, "Commercial beverage refrigerators - Classification, requirements and test conditions".

The following minimal editorial changes have been made to this document.

---To ensure accurate translation, the indexing numbers in Figure 17 have been revised.

---In Appendix D, correct the printing error and remove the Hg calculation;

---Appendix ZA (informative) has been deleted; it is irrelevant to my country.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China National Light Industry Council.

This document is under the jurisdiction of the National Technical Committee on Refrigeration Standardization (SAC/TC119).

## 1 Scope

This document describes the classification, requirements, and testing methods for commercial beverage refrigerators.

This document applies to commercial beverage refrigerators with portable refrigeration systems.

This document does not apply to remotely located or indirect refrigeration systems used in commercial beverage refrigerators.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

**Note:** GB/T 7778 Refrigerant Numbering Method and Safety Classification (ISO 817, MOD) ISO 5149-2 Safety and environmental requirements for refrigeration systems and heat pumps - Part 2: Design, construction, testing, marking and documentation (Re-Note. GB/T 9237 Safety and environmental requirements for refrigeration systems and heat pumps [ISO 51492 (all parts), MOD] appliances-Safety-Part 1: General requirements) Note. GB/T 4706.1 Safety of household and similar electrical appliances - Part 1: General requirements (IEC 60335-1, IDT) IEC 60335-2-89 Safety of household and similar electrical appliances - Part 2-89. Appliances with built-in or remote cooling or electric compressors Note. GB/T 4706.102 Safety of household and similar electrical appliances - Part 102: Commercial appliances with built-in or remote refrigeration units or electric motors-compressors Special requirements for refrigeration appliances and ice makers (IEC 60335-2-89, IDT)

## 3 Terms and Definitions

The following terms and definitions apply to this document.

The URLs for the terminology databases maintained by ISO and IEC for standardization are as follows.

### 3.1 Types of Commercial Beverage Refrigeration Units

#### 3.1.1

Refrigerated display cases for selling and/or displaying pre-packaged beverages that are not easily perishable. Used to cool beverages from ambient temperature to a specified temperature within a specified time.

Refrigerated cabinets with specified storage temperature settings, allowing consumers to directly access beverages.