

ICS 35.040
CCS A 24



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

GB/T 47312-2026

**Commodity bar codes - Document numbering and bar code
representation**

商品条码 文档编码与条码表示

Issued on: March 31, 2026

Implemented on: October 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

- 2 Normative References
- 3 Terms and Definitions
- 4 Abbreviated Terms

Foreword

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA ICS

Barcode for Commodity - Numbering and Symbol Marking of Document

17 Table of Contents Foreword

31 Scope

42 Normative References

43 Terms and Definitions

54 Abbreviated Terms

55 Encoding

56 Symbol Marking

77 Technical Requirements for Barcode Symbols

8 Appendix A (Normative) Calculation Method of Check Code

10 Appendix B (Normative) Code Character Set

11 Appendix C (Informative) Application Example of One-Dimensional Barcode

12 Appendix D (Informative) Application Examples of Two-Dimensional Barcode

Barcode for Commodity - Numbering and Symbol Marking of Document 1 Scope

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 1988 Information technology - 7-bit coded character set for information interchange

GB/T 12508 Alphanumeric character sets for optical recognition - Part 2: Character set OCR-B - Shapes and dimensions of the printed image

GB 12904 Bar code for commodity - Retail commodity numbering and bar code marking

GB/T 15425 Bar code for commodity - 128 bar code

GB/T 16986 Bar code for commodity - Application identifier GB/T 18284 QR Code

GB/T 18348 Bar code for commodity - Bar code symbol print quality verification GB/T 21049 Han Xin code

GB/T 23704 Two-dimensional bar code symbol print quality test

GB/T 41208 Data matrix code

3 Terms and Definitions

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

3.1 Document Documents, certificates, and receipts that are used for recording, storing, transmitting information, or having archival value or evidentiary effect. NOTE: It includes paper or electronic forms.

3.2 Global document type identifier Codes that are used to identify document types and specific documents. NOTE: In

6.3.10 of GB/T 16986-2018, the application identifier corresponding to the global document type identifier is "253". This Document changes "global document type code" to "global document type identifier".

3.3 Application identifier Characters that identify the meaning and format of data, consisting of 2 ~ 4 digits. [SOURCE: GB/T 16986-2018, 3.1]

4 Abbreviated Terms

The following abbreviated terms apply to this Document. AI: Application Identifier DM Code: Data Matrix Code FNC1: Function

1 Symbol Character GDTI: Global Document Type Identifier QR Code: Quick Response Code URI: Uniform Resource Identifier