

ICS 35.040
CCS A24



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

GB/T 44899-2024

**Bar code for commodity - Unpacked and bulk commodity
numbering and bar code marking**

商品条码 散装和大宗商品编码与条码表示

Issued on: October 26, 2024

Implemented on: May 1, 2025

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

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the right to identify patents. This document is proposed and coordinated by the National Logistics Information Management Standardization Technical Committee (SAC/TC267). This document was drafted by: China Article Numbering Center, Inner Mongolia Autonomous Region Quality and Standardization Research Institute, Anhui Province Quality and Standardization Research Institute Research Institute, Guotai Newpoint Software Co., Ltd., Ningbo Standardization Research Institute, Jiangxi Quality and Standardization Research Institute, Zhejiang Standardization Research Institute Institute of Standardization, Shenzhen Institute of Standardization and Technology, Qingdao Institute of Standardization, Hebei Institute of Standardization, Shandong Institute of Standardization, Chongqing Institute of Standardization Municipal Quality and Standardization Research Institute, Jiangsu Provincial Quality and Standardization Research Institute, Harbin Standardization Research Institute, Gansu Coal Trading Center Co., Ltd. Company, Guangdong Provincial Institute of Standardization, Guangxi Zhuang Autonomous Region Product Quality Inspection Institute, Xiamen Municipal Institute of Standardization, Henan Provincial Institute of Standardization and Quality Research Institute, China Jiliang University, Sichuan Provincial Standardization Research Institute, Guizhou Provincial Standardization Institute, Hangzhou Gas Group Co., Ltd., China Railway Materials Co., Ltd., Jiangxi Copper Co., Ltd. The main drafters of this document are. Zhang Chenghai, Li Sucai, Luo Qiuke, Sun Xiaoyun, Shi Xinyu, Wang Bin, Yuan Jinbo, Chen Zhou, Zhang Xuezhou, Miao Yanhui, Wang Chunguang, Ding Kai, Ding Wei, Lou Qinghua, Li Congfen, Xu Lifeng, Luo Xiang, Chen Zhenyu, Chen Hao, Cheng Lulu, Liu

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1 Scope

GB/T 44899-2024 covers the numbering and bar coding of unpacked and bulk commodities - loose produce, meat cut to order, grain and other goods sold by measure rather than by the piece. They break the assumption behind the ordinary retail bar code, which is that the item and its price are fixed when the code is printed: here the identity is fixed but the weight is not known until the scale prints the label, so the symbol must carry the variable attribute alongside the identity. The standard sets the codes and abbreviations, the numbering, the bar code representation, the placement of the symbol on the package or label, and the symbol quality requirements, with a normative annex on encoding variable attribute information and informative annexes giving worked examples for bulk commodities and for ordinary commodity bar codes. It takes effect on 1 May 2025.

This document specifies the coding rules, barcode representation, barcode symbol placement and quality requirements for bulk and bulk commodities, and gives the barcode Example. This document is applicable to barcode labeling of bulk and bulk commodities.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 12904-2008 Commodity barcodes Retail commodity coding and barcode representation

GB/T 12905 Barcode Terminology

GB/T 14257 Product Barcode Barcode Symbol Placement Guide

GB/T 15425 Product Barcode 128 Barcode

GB/T 16830-2008 Commodity barcodes, storage, transportation and packaging, commodity coding and barcode representation

GB/T 16986 Product Barcode Application Identifier

GB/T 18284 Quick Response Matrix Code

GB/T 21049 Chinese Xin Code

GB/T 37056 Article Coding Terminology

GB/T 41208 Data Matrix Code

3 Terms and Definitions

The terms and definitions defined in GB/T 12905, GB/T 37056 and the following apply to this document.

3.1 unpackedcommodity The transaction volume is not determined before the transaction, but its volume changes during the transaction while the basic characteristics remain unchanged. It is usually calculated in units of measurement. Price, goods sold at random quantities. Note