

ICS 13.310
CCS A90



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

GB/T 17001.2-2025

Replacing GB/T 18751-2002

**Anti-counterfeiting printing ink - Part 2: Magnetic
anti-counterfeiting printing ink**

防伪油墨 第2部分：磁性防伪油墨

Issued on: August 1, 2025

Implemented on: February 1, 2026

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

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Categories	2
5 Technical Requirements	2
6 Test Method	3
7 Inspection Rules	5
8 Marking, packaging, transportation and storage	5

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. This document is Part 2 of GB/T 17001 Anti-counterfeiting inks. GB/T 17001 has been published in the following parts.

--- Part 1: UV-excited fluorescent anti-counterfeiting ink;

2. Magnetic anti-counterfeiting ink;

3. Thermochromic anti-counterfeiting inks;

4. Sunlight-induced color-changing anti-counterfeiting inks;

5. Pressure-sensitive anti-counterfeiting inks;

6. Infrared excited fluorescent anti-counterfeiting ink;

7. Optically variable anti-counterfeiting inks;

8. Anti-tampering and anti-counterfeiting inks. This document replaces GB/T 18751-2002 "Magnetic Anti-counterfeiting Ink". Compared with GB/T 18751-2002, except for the structural adjustment and editing In addition to the functional changes, the main technical changes are as follows:

a) The classification has been changed (see Chapter 4, Chapter 4 of the.2002 edition);

b) Deleted "Product model compilation method" (see

4.2 of the.2002 edition);

c) Added "General requirements" (see 5.1);

1 Scope

GB/T 17001.2-2025 is the Chinese national standard on anti-counterfeiting printing ink - part 2: magnetic anti-counterfeiting printing ink, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 13.310, CCS A90. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document provides the classification of magnetic anti-counterfeiting inks and specifies the technical requirements, inspection rules and marking, packaging, transportation and other aspects of magnetic anti-counterfeiting inks. The transport and storage requirements are described, and the corresponding test methods are described. This document is applicable to various magnetic anti-counterfeiting inks.

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/T 3186 Sampling of paints, varnishes and raw materials for paints and varnishes

GB/T 15962 Ink Terminology

GB/T 22467.2-2008 General technical requirements for anti-counterfeiting materials Part

3 Terms and Definitions

The terms and definitions defined in GB/T 15962 apply to this document.

3.1 Ink with anti-counterfeiting function made of magnetic powder material.

3.2 The ink with anti-counterfeiting function is made of low-coercivity magnetic powder material.

3.3 The ink with anti-counterfeiting function is made of high-coercivity magnetic powder

material.

3.4 coercive force H_c By monotonically reducing the external magnetic field strength, the magnetic flux density or magnetic polarization intensity of the material is reduced from the magnetic saturation state value to zero. Field strength.

Note. The unit of coercive force is ampere per meter (A/m).

chinastandards.org - PREVIEW