



GB 46997-2025

Limits of certain heavy metal in printing ink

Release Date: 2025-12-31

Implementation Date: 2027-01-01

Translated by ChemLinked

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National Standard of the People's Republic of China

GB 46997—2025

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Issued on December 31, 2025

Implemented on January 1, 2027

**Issued by State Administration for Market Regulation,
National Standardization Administration**

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Foreword

This document is drafted in accordance with the provisions of GB/T 1.1-2020 Directives for standardization—Part 1: Rules for the structure and drafting of standardizing documents.

Please note that certain contents of this document may involve patents. The issuing agency of this document does not assume the responsibility for identifying patents.

This document was proposed by and is under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China.

Limits of certain heavy metal in printing ink

1 Scope

This document specifies the maximum allowable limits and testing methods for lead, cadmium, mercury, hexavalent chromium, and soluble heavy metals (soluble antimony, soluble arsenic, soluble barium, soluble cadmium, soluble chromium, soluble lead, soluble mercury, and soluble selenium) in inks.

This document is applicable to ink products.

2 Normative Reference Document

The contents of the following documents are indispensable for the application of this document through normative references within the text. Among them, dated references apply only to the version corresponding to that date, while undated references apply to the latest version, including all amendments.

GB/T 6682 Water for analytical laboratory use - Specification and test methods

3 Terms and Definitions

This document does not contain terms and definitions that need to be specified.

4 General Principles

This document aims to protect human health to the greatest extent possible, reduce pollution and damage to the environment, and not impair the safety or health of users or third parties.

5 Requirements

The maximum limits of heavy metals in printing ink shall comply with the requirements of Table 1.

Table 1 Maximum limits of heavy metals in printing ink

Unit: mg/kg

Harmful Elements	Requirements
Lead	
Cadmium	