



GB 4806.14-2023

National Food Safety Standard Ink for Food Contact Materials and Articles

食品安全国家标准 食品接触材料及制品用油墨

National Health Commission of the People's
Republic of China
State Administration for Market Regulation of the
People's Republic of China

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National Food Safety Standard

Ink for Food Contact Materials and Articles

1 Scope

This standard applies to ink for food contact materials and articles, as well as the printed ink layer formed by it.

2 Terms and Definitions

2.1 Ink for food contact materials and articles

It refers to the ink intended to be printed on food contact materials and articles in direct or indirect contact with foods, of which the components may be migrated into the foods. It also includes gloss oil used in combination with ink.

3 Product Classification

Ink for food contact materials and articles can be divided into the following two categories according to its direct and indirect contact with foods:

——Ink for direct contact with foods: Ink printed on the food contact surface of food contact materials and articles, intended to come into direct contact with foods;

——Ink for indirect contact with foods: Ink printed on the non-food contact surface of food contact materials and articles, not intended to come into direct contact with foods, but with its components possibly migrating into foods.

4 Basic Requirements

4.1 Ink for food contact materials and articles shall comply with the provisions of GB 4806.1.

4.2 Enterprises producing ink for food contact materials and articles shall control the safety risks of ink products by means of formula design, raw material selection, production process control, and product information transmission, *etc.*

4.3 Printing enterprises of food contact materials and articles shall control the safety risks originating from ink by means of packaging design, selection of raw material for blending, printing process control, product information transmission, and/or adding effective barrier layers. The



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