National Standard of the People's Republic of China

GB 4806.14-2023

National food safety standard - Inks 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

(English translation)

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National food safety standard -
Inks for food contact materials and articles

1 Scope

This standard is applicable to inks for food contact materials and articles and the printing ink layers formed by them.

2 Terms and definitions

2.1
inks for food contact materials and articles
inks intended to be printed on food contact materials and articles that are in direct or indirect contact with food but whose components may be transferred to food, including varnishes used in conjunction with inks

3 Product classification

Inks for food contact materials and articles can be classified into two categories based on whether they come into direct contact with food:

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

——Ink for indirect contact with food: ink printed on the non-food contact surface of food contact materials and articles, which is not intended to come into direct contact with food, but its components may be transferred to food.

4 Basic requirements

4.1 Inks for food contact materials and articles shall meet the requirements of GB 4806.1.

4.2 Manufacturers of inks for food contact materials and articles shall control the safety risks of ink products through measures such as formulation design, raw material selection, production process control, and product information dissemination.

4.3 Printing enterprises of food contact materials and articles shall control safety risks originating from ink through packaging design, raw material selection, printing process control, product information dissemination and/or addition of effective barrier layers, and minimize ink usage while achieving the intended printing results.