



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

GB 4806.13-2023

**National food safety standard - Composite materials and
products for food contact**

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Foreword

This standard replaces GB 9683-1988 "Hygienic standard for composite laminated food packaging bag".

Compared with GB 9683-1988, the main changes in this standard are as follows.

- MODIFY the standard name;
- EXPAND the scope of application;
- ADD the terms and definitions;
- ADD the basic requirements, raw material requirements, sensory requirements;
- MODIFY the physical and chemical indicators;
- ADD the microbiological limits;
- ADD the migration test requirements;
- ADD the label marking requirements.

National food safety standard - Composite materials and products for food contact

1 Scope

This standard applies to composite materials and products for food contact.

2.1 Composite materials and products for food contact

Two or more layers of food contact materials and products, which are made of different materials or the same material, through bonding, hot melting or other methods.

3 Basic requirements

Composite materials and products for food contact shall comply with the regulations of GB 4806.1.

4.1 Raw material requirements

Each layer of composite materials and products for food contact, the basic resins, additives, other raw materials used shall comply with the corresponding national food safety standards and relevant announcements.

4.2 Sensory requirements

Composite materials and products for food contact shall comply with the sensory requirements, which are specified in the national food safety standards for materials in direct contact with food layers.

4.3.1 General physical and chemical indicators

Composite materials and products for food contact shall comply with the general physical and chemical indicators, which are specified in the national food safety standards corresponding to each layer of materials.

4.4 Microbiological limits

The microbial limits of composite materials and products, that are expected to be in direct contact with food and used directly without disinfection or cleaning, shall comply with the requirements of GB 14934.

5.1 Migration test

The migration test shall be carried out, in accordance with the provisions of GB 31604.1 and GB 5009.156.

5.2.2 Composite materials and products for food contact shall be marked in order from

the outer layer to the layer directly in contact with food, including adhesives, coatings, inks, etc., and separated by slashes "/".

5.2.3 The special usage requirements for composite materials and products for food

contact shall be completely and clearly marked in the product information.

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