

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

SN/T 2198-2008

**Food contact materials. Plastics. Test methods for overall
migration into aqueous food simulants. Using a pouch**

食品接触材料 塑料 水状食品模拟物总迁移量试验方法 袋装法

(English Translation)

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Foreword

This standard is equivalent to using BSEN1186-7:2002 "Materials and articles in plastic water food simulants in contact with food for overall migration Amount bag Test Method Method. " this standard is in accordance with GB/T 1.1-2000. Requirements "Standardization Guide Part 1 standard structure and write rules," the root According BSEN1186-7:2002 redrafted written. The main modifications are.

--- Because regardless of the technical content of this standard, the preamble of the original text deleted;

--- Chapter 2, according to GB/T 1.1-2000 requirements to prepare normative references;

--- 5.11 evaporating dish to remove metals, ceramics and other glass evaporating dish to retain only evaporating dish.

The Standard Appendix A, Appendix B is an informative annex.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard by the People's Republic of China Liaoning Entry-Exit Inspection and Quarantine is responsible Shanghai People's Republic of China Drafted.

1 Scope

This standard specifies the plastic film or sheet made of standard bags, under defined test time and temperature ($\leq 70^{\circ}\text{C}$), by filling the plastic bag Filling the selected aqueous food simulants, Test Method for plastic inner surface to aqueous food simulants total migration assay.

This standard applies to all kinds of plastic film which can be sealed, plastic sheets made of standard bag by heat sealing or pressure; especially suitable for multi-layer composite plastic.

Test, test only direct contact with the food that one can be.

Standard sizes of plastic bags as described in 6.3.

NOTE: In addition to the specifications 10cm x 10cm, other size bags can also be used to test, but it should be possible to meet the total surface area in contact with food is not less than 1dm².

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard. After the increase, if any change, then, only those marked increase rewritten into Prospective new version applies to this standard, for no dated references, should be using the latest version.

GB/T 12808 standard laboratory glassware single line pipette (GB/T 12808-1991, eqv648. 1977) EN1186-1:2002 plastic food contact materials Part I. Selection Guide for total migration test conditions and methods Principle 3 A total migration of non-volatile substances plastic sample evaporation residue refers to the quality of food simulants (see EN1186-1:2002 4.5 and Chapter 5).

The plastic film or sheet made of standard bags at no more than 70 °C conditions, water food simulants bagged, and maintain a certain time between. Until after a predetermined time from the bag and pour the food simulant evaporate each sample in food simulant, measured non-volatile residue quality, and in milligrams per square decimeter sample surface area in contact with the food simulant to indicate that the mg/dm² representation.

NOTE: In some cases the test temperature can exceed 70 °C.

The test report overall migration, taking the average value of three tests.

4 Reagents and materials

Reagent preparation and purity see EN1186-1:2002 in Chapter 5.

4.1

simulant A. distilled water or water homogeneity.

4.2

mimetic B. an aqueous solution of acetic acid 30g/L.

4.3

mimetic C. aqueous ethanol (9 + 1).

4.4

Alcohol mimetic. alcohol content more than 10% (volume fraction) of liquid or beverage.

Note: For alcohol exceeds 10% (volume fraction) of liquid and drink direct contact with the plastic material, tests shall be quite alcohol concentration of the aqueous solution get on.

5 Apparatus

5.1

Cut model. clean, smooth glass, metal or plastic plate, size 250mm x 250mm.