



National Food Safety Standard General Rules for Migration Test of Food Contact Materials and Articles (Draft)

食品安全国家标准

食品接触材料及制品迁移试验通则 (征求意见稿)

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

Release Date: xxxx-xx-xx
Implementation Date : xxxx-xx-xx

Translated by ChemLinked

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National Standard of the People's Republic of China

GB 31604.1-XXXX

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Issued by:

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Preface

This standard replaces GB 31604.1-2015 “National Food Safety Standard General Rules for Migration Test of Food Contact Materials and Articles”.

Compared with GB 31604.1-2015, the major changes of this standard are as follows:

- Modified the scope;
- Modified terms and definitions;
- Modified the basic requirements;
- Modified the selection of food simulants;
- Modified the selection of migration test conditions;
- Modified “Screening test and chemical solvent substitution test” to “screening method” and “chemical solvent substitution test”;
- Modified “Result correction” to “Migration test result correction”, and added the content of area-to-volume ratio;
- Added “Migration test result selection”;
- Modified Annex A.

National Food Safety Standard

General Rules for Migration Test of Food Contact Materials and Articles (Draft)

1 Scope

This standard specifies the terms and definitions, basic requirements, selection of food simulants, selection of migration test conditions, screening approaches, chemical solvent substitution test, migration test result correction and migration test result selection for migration tests of various types of food contact materials and articles.

2 Terms and Definitions

2.1 Migration test

The test performed under given conditions for determination of amount for migration from constituents of food contact materials and articles to the food or food simulant and other test medium being contacted, including specific migration tests, overall migration tests, and chemical solvent substitution tests.

2.2 Food simulant

The test medium used to simulate food for migration test, which can factually reflect the migration from constituents of food contact materials and articles to the food being contacted and has the typical common characteristics of certain type of foods.

2.3 Screening approaches

The approaches to screen for the specific (overall) migration by adoption of use amount, overall migration or residual content, to verify the compliance of specific (overall) migration of certain kind (category) of substance in food contact materials and articles.

2.4 Chemical solvent substitution test

The migration test performed under given conditions through the substitution of fatty food simulants with chemical solvent.



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