



GB 5009.229-2016

National Food Safety Standard Determination of Acid Value in Foods

食品安全国家标准 食品中酸价的测定

Competent authority: National Health and Family Planning
Commission of the People's Republic of China (NHFPC)

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National Standard of the People's Republic of China

GB 5009.229-2016

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Foreword

This standard replaces Section “4.1” of GB/T 5009.37–2003 “Method for analysis of hygienic standard of edible oils”; besides, it also replaces Section “14.3” of GB/T 5009.44–2003 “Method for analysis of hygienic standard of meat and meat products”, Section “4.1”, Section “4.2” and Section “4.3” of GB/T 5009.56–2003 “Method for analysis of hygienic standard of pastry” and Section “4.1” of GB/T 5009.77–2003 “Method for analysis of hygienic standard of edible hydrogenated oil”, as well as GB/T 15689–2008 “Oilseeds – Determination of acidity of oils”, GB/T 14489.3–1993 “Method for determination of free fatty acids content of oils in oilseeds” and GB/T 5530–2005 “Animal and vegetable oils and fats – Determination of acid value and acidity” at the same time.

Compared with Section “4.1” of GB/T 5009.37–2003, the main changes of this standard are as follows:

- the title of this standard has been modified into “National food safety standard – Determination of acid value in foods”;
- the scope of application of this standard has been modified;
- the titration method using phenolphthalein indicator has been modified as “Method I”, namely, cold solvent indicator titration method;
- the cold solvent method using automatic potentiometric titration has been added as “Method II”;
- the hot ethanol method using indicator has been added as “Method III”;
- the specifications for preparation of test sample from food sample have been added;
- the requirements for weight of test sample have been added;
- the requirements for precision have been modified.

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