



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

中华人民共和国国家标准

GB 5413.6-2010

**National food safety standard
Determination of insoluble dietary fiber in foods for
infants and young children, milk and milk products**

**食品安全国家标准
婴幼儿食品和乳品中不溶性膳食纤维的测定**

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Foreword

This standard Replacing GB/T 5413.6 - 1997 *Determination of Insoluble Dietary Fiber in Formula Foods and Milk Powder for Infants and Young Children.*

The versions replaced by this standard are:

— GB12394 - 90, GB/T 5413.6- 1997.

National food safety standard

Determination of insoluble dietary fiber in foods for infants and young children, milk and milk products

1. Scope

This standard specifies the method for determination of insoluble dietary fiber in foods for infants and young children, milk and milk products.

This standard applies to determination of insoluble dietary fiber in foods for infants and young children, milk and milk products.

2. Normative References

The normative documents referenced in the text are indispensable to the application of this standard. For dated references, only the edition bearing such date applies to this standard. For undated references, the latest edition of the normative document referred to (including all the amendments) applies.

3. Principles

The sugar, starch, protein and pectin in the test sample are dissolved and removed using neutral detergent; the residue can't be dissolved is insoluble dietary fiber, it mainly consists of cellulose, hemicellulose, lignin, cutin and silicon dioxide, and also insoluble ash.

4. Reagents and materials

- 4.1** Anhydrous sodium sulfite.
- 4.2** Petroleum benzine: boiling range 30 - 60 °C.
- 4.3** Acetone.
- 4.4** Toluene.
- 4.5** EDTA disodium salt
- 4.6** Sodium tetraborate (containing 10H₂O)
- 4.7** Lauryl sulphuric acid sodium
- 4.8** Ethylene glycol monoethyl ether
- 4.9** Anhydrous dibasic sodium phosphate



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