

Translated English of Chinese Standard: GB8569-2009

[www.ChineseStandard.net](http://www.ChineseStandard.net) → Buy True-PDF → Auto-delivery.

[Sales@ChineseStandard.net](mailto:Sales@ChineseStandard.net)

# GB

NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA

ICS 65.080

G 20

## GB 8569-2009

Replacing GB 8569-1997

---

### Packing of solid chemical fertilizers

固体化学肥料包装

Issued on: November 30, 2009

Implemented on: June 01, 2010

---

Issued by: General Administration of Quality Supervision, Inspection and  
Quarantine;

Standardization Administration of the People's Republic of  
China.

## Table of Contents

Foreword.....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions .....	6
4 Requirements.....	6
5 Test methods.....	9
6 Inspection rules.....	10
7 Marks .....	10
8 Transport and storage.....	10
Annex A (normative) Sampling table for solid fertilizer package.....	11

## Foreword

Sub-clauses 4.2.2, 4.4 of this Standard are mandatory; the rest are recommendatory.

This Standard replaces GB 8569-1997 "Packing of solid chemical fertilizers".

Compared with GB 8569-1997, the main differences in this Standard are as follows:

- made separate requirements for solid chemical fertilizers and packing materials that are classified as dangerous goods and that are not dangerous goods;
- when packing in plastic woven bags or composite plastic woven bags, the bag type with the contents of 50kg was changed to "B-bag or C-bag";
- modified the technical specifications of the upper seam number and the upper seam strength of the package;
- added the method for detecting the number of stitches in the upper seam of the package;
- modified the requirements for package drop test;
- recommended two types of degradable plastics as materials for the inner bag of fertilizer packaging;
- modified the sampling table of solid chemical fertilizer package.

Annex A of this Standard is normative.

This Standard was proposed by China Petroleum and Chemical Industry Association.

This Standard shall be under the jurisdiction of National Technical Committee on Fertilizer and Soil Conditioner of Standardization Administration of China (SAC/TC 105).

The drafting organizations of this Standard: National Fertilizer Quality Supervision and Inspection Center (Shanghai), Shandong Leihua Plastic Engineering Co., Ltd., Stanley Fertilizer Co., Ltd., Hubei Xinyangfeng Fertilizer Co., Ltd.

Main drafters of this Standard: Shang Zhaocong, Wang Yin, Gao Hua, Gao Jinhua, Zhu Jiaming, Chen Ping, Huang Yong, Li Guoxiang, Wu Juan.

Version of standard substituted by this Standard is:

## Packing of solid chemical fertilizers

### 1 Scope

This Standard specifies the requirements, test methods, inspection rules, marks, transport and storage for packing materials of solid chemical fertilizers as well as packages.

This Standard is applicable to the packing of solid chemical fertilizers such as nitrogen, phosphate, potash, compound fertilizer (composite fertilizer) and other types.

### 2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 1040, *Plastics - Determination of tensile properties*

GB/T 4456, *Polyethylene blown film for packaging*

GB/T 4857.1, *Packaging - Complete, filled transport packages - Identification of parts when testing*

GB/T 8946, *Plastic woven sack*

GB/T 8947, *Composite plastic woven sack*

GB 12268, *List of dangerous goods*

GB 18382, *Fertilizer marking - Presentation and declaration* (neq ISO 7409:1984)

GB/T 20197, *Define, classify, marking and degradability requirement of degradable plastic*

QB 1257, *SPVC Blown Film*

WJ 9050, *Test method and criteria of anti-detonation property of farming*

dropping target shall be a hard, inelastic, flat and level surface.

#### **5.6.5 Test steps (using same piece):**

The first time: drop face-1 or face-3;

The second time: drop face-2 or face-4;

The third time: drop face-5 or face-6.

## **6 Inspection rules**

**6.1** For the technical requirements test of each batch of fertilizer package, in addition to the upper seam strength and drop test items, the tests of other items shall be carried out in accordance with the “special inspection” specified in Annex A. When the inspection is determined as unqualified according to the “qualified quality level”, it shall be carried out according to “one strict inspection”. When the strict inspection is still unqualified, the batch of fertilizer package shall be unqualified packing.

**6.2** The test of the strength of the upper seam shall be performed at least once a month. Extract samples from the batches determined as qualified by 6.1 inspection. The sampling and qualification determination are same as 6.1.

**6.3** The drop test of fertilizer package shall be carried out at least once every month. Extract three packages from the batches determined as qualified by 6.2 inspection according to the random sampling rules. If a package is determined to be unqualified by inspection, the batch of fertilizer package shall be determined to be unqualified packing.

## **7 Marks**

The fertilizer package shall be marked according to the nature of the materials contained in accordance with GB 18382.

## **8 Transport and storage**

**8.1** The transport tools for fertilizer packing materials shall be clean, flat, and free of sharp objects to avoid piercing the package.

**8.2** The fertilizer package shall be stored in a warehouse that is flat, cool, ventilated and dry. Do not allow open storage so as to prevent sun and rain. The storage of products with special requirements shall comply with the corresponding product standards. Stacking height shall be less than 7m.

**This is an excerpt of the PDF (Some pages are marked off intentionally)**

**Full-copy PDF can be purchased from 1 of 2 websites:**

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, [Sales@ChineseStandard.net](mailto:Sales@ChineseStandard.net)

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

**----- The End -----**