

ICS 65.080
CCS G 20



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

GB 8569-2009

**Packing of solid chemical fertilizers
(English Translation)**

Issued on: November 30, 2009

Implemented on: June 1, 2010

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

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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.

6.1 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.

8.1 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.

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