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

**GB/T 16715.1-1996**

Replacing GB 4862-1984; GB/T 16715.1-1996

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**Seed of gourd and vegetable crops -- Part 1: Gourd  
(English Translation)**

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### Foreword

All technical content in this Part of GB 16715 is mandatory.

GB 16715 "melon seeds" into the following sections.

- Part 1. melons;
- Part 2. cabbage;
- Part 3. Eggplant;
- Part 4. cabbage;
- Part 5. green leafy vegetables;

This section GB 16715 Part 1.

This Part replaces GB 4862-1984 "Chinese melon seed" and GB/T 16715.1-1996 "melon seeds melons." this section compared with GB 4862-1984 and GB/T 16715.1-1996, the main changes are as follows.

- Clear scope;
- Revised definitions and terminology;
- Canceled watermelon hybrid seed quality rating;
- Modify the quality requirements of diploid watermelon hybrid seeds;
- Increasing the quality indicators triploid watermelon hybrid seeds;

- Increasing the quality indicators melon seeds;
- Increasing the quality index of cucumber seeds;
- Cancel the packaging, transportation, storage of reference provisions;
- Revised inspection rules.

This section proposed by the People's Republic of China Ministry of Agriculture.

This part of the National Standardization Technical Committee of Crop Seeds (SAC/TC37) centralized.

## 1 Scope

GB 16715 of the provisions of this part of the watermelon [*Citrullus lanatus* (Thunb.) Matsum. et Nakai], melon [*Cucumis melo* L.], melon [*Benincasa hispida* (Thunb.) Cogn.], cucumbers [*Cucumis sativus* L.] seed quality requirements, inspection Test methods and inspection rules.

This Part applies to the production of People's Republic of China, said sales of melon seeds including capsuled seeds and non-coated seeds.

## 2 Normative references

The following documents contain provisions which, through reference in this Part of GB 16715, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

Inspection of GB/T 3543 (all parts) crop seeds GB 20464 General labeling of agricultural seeds

## 3 Terms and Definitions

The following terms and definitions apply to this part of GB 16715.

Stock basic seed

Breeder seed multiplication with the first generation to the third generation, seeds and confirmed to meet the specified quality requirements.

Field with the kind qualified seed with the original breeder of the first generation to the third generation or hybrid seeds, seeds and confirmed to meet the specified quality requirements.

Triploid species triploidseed Tetraploid and diploid as male as female hybridization produced seeds.

#### 4.1 General

Seed quality requirements by the quality indicators and quality stated values. The quality indexes include purity, clarity, germination rate and moisture; quality standards

NOTE value should be true, and in accordance with the provisions of 4.2.

##### 4.2.1 Watermelon

Watermelon seeds shall meet the minimum requirements in Table 1.

Table 1 %

Crop variety Seed classification Varietal purity not lower than Clarity (pure seeds) not lower than Germination rate not lower than Water not higher than watermelon Parents Stock 99.7 with the kind of field 99.0 99.0 90 8.0 Diploid hybrid field with the kinds 95.0 99.0 90 8.0 Triploid hybrid seed field with 75 95.0 99.0 8.0

**Note 1:** The triploid hybrid watermelon seed germination tests usually require pre-treatment.

**Note 2:** The sales of diploid watermelon hybrids may not be specifically labeled diploid, triploid watermelon hybrid sales need specific labeling.

##### 4.2.2 Melon

Melon seeds shall meet the minimum requirements of Table 2, where the melon seeds shall meet the minimum requirements in Table 3.

Table 2 %

Crop variety Seed classification Varietal purity not lower than Clarity (pure seeds) not lower than Germination rate not lower than Water not higher than melon General species Stock 98.0 with the kind of field 95.0 99.0 8.0 Parents Stock 99.7 with the kind of field 99.0 99.0 8.0 Hybrid seed field with 85 95.0 99.0 8.0 table 3 % Crop variety Seed classification Varietal purity not lower than Clarity (pure seeds) not lower than Germination rate not lower than Water not higher than cantaloupe General species Stock 98.0 99.0 90 Field with the kinds 90.0 99.0 85 7.0 the field with the parent species 99.0 99.0 7.0 90 Hybrid seed field with 90 95.0 99.0 7.0

**NOTE:** The cantaloupe is a melon. This table referring produced in northwest China, the type of crop seed labeled cantaloupe.

### 4.2.3 Melon

Melon seeds shall meet the minimum requirements in Table 4.

Table 4%

Crop variety Seed classification Varietal purity not lower than Clarity (pure seeds) not lower than Germination rate not lower than Water not higher than Melon Stock 98.0 with the kind of field 96.0 99.0 9.0

### 4.2.4 Cucumber

Cucumber seeds shall meet the minimum requirements of Table 5.

table 5 %

Crop variety Seed classification Varietal purity not lower than Clarity (pure seeds) not lower than Germination rate not lower than Water not higher than cucumber General species Stock 98.0 with the kind of field 95.0 99.0 90 8.0 Parents Stock 99.9 with the kind of field 99.0 99.0 8.0 Hybrid seed field with 90 95.0 99.0 8.0

## 5 Test methods

Clarity analysis, germination test, moisture determination, authenticity and varietal purity testing should implement the provisions of GB/T 3543's.

## 6 Inspection rules

### 6.1

for sampling

OK for sampling methods and seed lot shall implement the provisions of GB/T 3543's.

### 6.2 Quality judgment rules

Quality judgment rules shall implement the provisions of GB 20464.