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## China - Peoples Republic of

**Post:** Beijing

### Crop Seed of Melon

#### Report Categories:

FAIRS Subject Report

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#### Report Highlights:

On November 19, 2009 China notified "Crop Seed of Melon" to the WTO as G/TBT/N/CHN/699. Comments are due on January 18, 2010. This report contains an UNOFFICIAL translation of this draft measure.

#### General Information:

##### Summary

On November 19, 2009 China notified "Crop Seeds of Melon" to the WTO as G/TBT/N/CHN699. Comments are due on January 18, 2010. The proposed date of adoption is 90 days after circulation by the WTO secretariat and date of entry into force is 6 months after adoption.

China's WTO notification describes this standard as specifying "the quality requirements, test methods and inspection rules

for watermelon, sweet melon, wax gourd and cucumber seed. It applies to the production and sale of above mentioned melon seeds in China, which covering coating seeds and non-coating seeds.”

This report contains an UNOFFICIAL translation of this draft standard.

BEGIN TRANSLATION

## **National Standard of the People’s Republic of China**

GB 16715.1 – 200X Replaces GB 4862 – 84 GB 16715.1 - 1996

### **Seed of Gourd and Vegetable Crops**

#### **Part 1: Gourds**

(Draft for Approval)

#### **Foreword**

**All technical aspects of this Part in GB 16715 are mandatory.**

GB 16715 *Seed of Gourd and Vegetable Crops* is divided into the following parts:

- Part 1: Gourd;
- Part 2: Chinese cabbage;
- Part 3: Solanaceous fruits;
- Part 4: Cole;
- Part 5: Leafy vegetables;

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This Part is the first part of GB 16715 and revision of GB 4862 - 84 *The Seed of Chinese Hami Melon* and GB 16715.1 - 1996 *Seed of Gourd and Vegetable Crops - Gourd* according to the relevant provisions of *Seed Law of the People's Republic of China* and the new development of the seed industry. It replaces GB 4862 – 84 and GB 16715.1 - 1996.

This Part includes the following major changes compared with GB 4862 - 84 and GB 16715.1 - 1996:

- The application scope has been defined;
- Definitions and terms have been revised;
- Quality grading of hybrid seeds of watermelon has been canceled;
- Quality requirements of hybrid seeds of diploid watermelon have been modified;

- Quality requirements of hybrid seeds of triploid watermelon have been added;
- Quality requirements of seeds of melon have been added;
- Quality requirements of seeds of cucumber have been added;
- Referenced provisions on packaging, transport and storage have been canceled; and
- Testing rules have been revised.

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

This Part is under the jurisdiction of National Agricultural Seed Standardization Technical Committee.

Organizations participating in drafting this Part include National Agricultural Technology Extension Service Center, *Anhui Seed Administration Station, Zhengzhou Fruit Research Institute under Chinese Academy of Agricultural Sciences, Administrative Center on Seeds of Xinjiang Production and Construction Corps, Tianjin Seed Administration Station, Hefei Fengle Seed Co., Ltd. and Nanjing Red Sun Seed Co., Ltd.*

The main editors of this Part include Zhi Juzhen, Sheng Haiping, Ma Yue, Zhao Li, Li Wenqin, Liu Xuetao and Wang Zhaoxian.

This Part replaces the following previous editions:

- GB 4862 - 84;
- GB 8079 - 1987; and
- GB 16715.1 - 1996.

## **Seed of Gourd and Vegetable Crops - Part 1: Gourd**

### **1 Scope**

This Part of GB 16715 specifies quality requirements, testing methods and testing rules for seeds of watermelon [*Citrullus lanatus* (Thunb.) Matsum. et Nakai], muskmelon [*Cucumis melo* L.], wax gourd [*Benincasa hispida* (Thunb.) Cogn] and cucumber [*Cucumis sativus* L.].

This Part applies to gourd seeds including capsuled seeds and non-capsuled seeds produced and sold in the People's Republic of China.

### **2 Normative documents**

The following documents contain provisions which, through reference in this Part of GB 16715, constitute provisions of this Part. For dated reference, subsequent amendments (excluding corrections) to, or revisions of, any of these publications do not apply to this Part. However, parties to agreements based on this Part are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below. For undated references, the latest edition of the normative documents referred to applies.

GB/T 3543 (all parts)      *Rules for agricultural seed testing*

### 3 Terms and definitions

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

#### 3.1 Basic seed

Seeds of the first generation to the third generation that are propagated from the breeder's seeds and confirmed to meet the specified quality requirements.

#### 3.2 Qualified seed

Seeds of the first generation to the third generation or hybrid seeds that are propagated from the basic seeds and confirmed to meet the specified quality requirements.

#### 3.3 Triploid seed

Seeds hybridized from the tetraploid as the female parent and diploid as the male parent.

### 4 Quality requirements

#### 4.1 General

Seed quality requirements consist of quality indexes and quality stated values. The quality indexes include purity, cleanness, germination rate and moisture; and the quality stated values shall be true and meet the quality requirements of this Part (refer to 4.2).

#### 4.2 Quality standards

##### 4.2.1 Watermelon

Quality of watermelon seeds shall meet the minimum requirements in Table 1.

**Table 1 Seed Classification - Watermelon**

Crop variety	Seed classification		Varietal purity	Cleanness (pure seeds)	Germination rate	Moisture
Watermelon	Parent	Basic seeds	$\geq 99.7$	$\geq 99.0$	$\geq 90$	$\leq 8.0$
		Qualified seeds	$\geq 99.0$			
	Diploid hybrid seeds	Qualified seeds	$\geq 95.0$	$\geq 99.0$	$\geq 90$	$\leq 8.0$
	Triploid hybrid seeds	Qualified seeds	$\geq 95.0$	$\geq 99.0$	$\geq 75$	$\leq 8.0$

Note 1: Triploid hybrid seeds of watermelon subject to germination test needs pretreatment.

Note 2: Diploid is not required to be specifically marked for sale of hybrid seeds of diploid watermelon, while triploid shall be specifically marked for sale of hybrid seeds of triploid watermelon.

##### 4.2.2 Muskmelon

Quality of muskmelon seeds shall meet the minimum requirements in Table 2, and quality of Hami melon seeds shall meet

the minimum requirements in Table 3.

**Table 2 Seed Classification - Muskmelon**

Crop variety	Seed classification		Varietal purity	Cleanness (pure seeds)	Germination rate	Moisture
Muskmelon	Conventional seeds	Basic seeds	≥98.0	≥99.0	≥90	≤8.0
		Qualified seeds	≥95.0		≥85	
	Parent	Basic seeds	≥99.7	≥99.0	≥90	≤8.0
		Qualified seeds	≥99.0		≥90	
	Hybrid seeds	Qualified seeds	≥95.0	≥99.0	≥85	≤8.0

**Table 3 Seed Classification – Hami melon**

Crop variety	Seed classification		Varietal purity	Cleanness (pure seeds)	Germination rate	Moisture
Hami melon*	Conventional seeds	Basic seeds	≥98.0	≥99.0	≥90	≤7.0
		Qualified seeds	≥90.0	≥99.0	≥85	
	Parent	Qualified seeds	≥99.0	≥99.0	≥90	≤7.0
	Hybrid seeds	Qualified seeds	≥95.0	≥99.0	≥90	≤7.0

\*Note: Hami melon is one type of thick-skinned muskmelon. The seeds in this Table refer to those marked with Hami melon in terms of crop variety and produced in Northwest China.

#### 4.2.3 Wax gourd

Quality of seeds of wax gourd shall meet the minimum requirements in Table 4.

**Table 4 Seed Classification – Wax Gourd**

Crop variety	Seed classification	Varietal purity	Cleanness (pure seeds)	Germination rate	Moisture
Wax gourd	Basic seeds	≥98.0	≥99.0	≥70	≤9.0
	Qualified seeds	≥96.0		≥60	

#### 4.2.4 Cucumber

Quality of cucumber seeds shall meet the minimum requirements in Table 5.

**Table 5 Seed Classification - Cucumber**

Crop variety	Seed classification		Varietal purity	Cleanness (pure seeds)	Germination rate	Moisture
Cucumber	Conventional seeds	Basic seeds	≥98.0	≥99.0	≥90	≤8.0
		Qualified seeds	≥95.0			
	Parent	Basic seeds	≥99.9	≥99.0	≥90	≤8.0
		Qualified seeds	≥99.0		≥85	

	Hybrid seeds	Qualified seeds	$\geq 95.0$	$\geq 99.0$	$\geq 90$	$\leq 8.0$
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## **5 Testing methods**

Cleanness analysis, germination test, moisture determination, genuineness and purity testing shall follow the provisions of GB/T 3543.

## **6 Testing rules**

### **6.1 Sampling**

Sampling methods and seed lot shall be determined according to the provisions of GB/T 3543.

### **6.2 Quality judgment rules**

Quality judgment rules shall follow the provisions of GB 20464.

END TRANSLATION