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

GB 16715.3-2010

Seed of gourd and vegetable crops Part 3: Solanaceous fruits

瓜菜作物种子 第3部分：茄果类

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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 3. This Part replaces GB 16715.3-1999 "solanaceous vegetables crop seeds." This section compared with GB 16715.3-1999, the main changes are as follows:
 - Revised definitions and terminology;
 - Canceled Eggplant hybrid quality grading;
 - Modify the quality requirements of eggplant hybrid field with the species;
 - Modify the quality of pepper (sweet pepper) seeds;
 - Modify the quality of tomato 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. This section was drafted by: National Agricultural Technology Extension Service Center, Vegetable Research Center, Beijing Academy of

Agriculture and Forestry, Ministry of Agriculture crop species Sub Quality Supervision and Testing Center (Shenyang), the Ministry of Agriculture Crop Seed Quality Supervision and Testing Center (Wuhan), the Ministry of Agriculture crop seeds Quality Supervision and Testing Center (Jinan), seed management station Guangxi Zhuang Autonomous Region, Zhejiang Province, seed terminus. The main drafters of this section. forest development, Zheng Xiaoying, Li Jian, Xie Jianping, Fuyou Lan, Sun Shuzhen, Cho Wen, Yan square, Malian Ping. This part of the standard replaces the previous editions are.

--- GB 8079-1987;

1 Scope

Part 3 of China's mandatory national standard for vegetable seed, covering solanaceous fruits. The group is tomato, aubergine and pepper - the highest-value vegetable seed in the trade, sold by the thousand seeds rather than by weight, and almost entirely hybrid. That economics shapes the standard: when a packet of seed costs more than the labour to sow it, the guarantees behind it have to be exact, and varietal purity is the guarantee that matters most, because an off-type plant in a greenhouse crop occupies a place for the whole season and yields the wrong fruit. The group is also the one most affected by seed-borne disease, which is why seed health belongs in the specification alongside the classical properties. The standard sets the grades and the minima for varietal purity, germination, cleanliness and moisture, with the sampling and test methods.

GB 16715 of the provisions of this part of the eggplant (*Solanum melongena* L.), Peppers (sweet pepper) (*Capsicum frutescens* L.), Quality of tomato (*Lycopersicon esculentum* Mil.) Seed requirements, test methods and inspection rules. This Part applies to the production of People's Republic of China, said sales of Eggplant 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.

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

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

4 Quality requirements

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 Quality Standards

4.2.1 eggplant Eggplant seeds shall meet the minimum requirements of 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 eggplant General species Stock

99.0 With the kind of field 96.0 98.0 75

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.

7.0 Hybrid seed field with 85 95.0 98.0 7.0

4.2.3 Tomato Tomato seeds shall meet the minimum requirements in Table 3. 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 tomato General species Stock

99.0 With the kind of field 95.0 98.0 85

8.0 Hybrid seed field with 85 96.0 98.0 8.0

4.2.2 Pepper (Pepper) Pepper (Pepper) seeds shall meet the minimum requirements in Table 2. 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 chili (Sweet pepper) General species Stock

99.0 With the kind of field 95.0 98.0 80