

ICS 07.080  
CCS B16

**SN**

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

**SN/T 3297-2012**

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**Detection and identification of Zea mays L.  
(English Translation)**

**Issued on: October 23, 2012**

**Implemented on: May 1, 2013**

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**Issued by: General Administration of Customs**

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### Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

### 1 Scope

This standard specifies the entry and exit of maize germplasm identification methods.

This standard applies to the entry and exit detection and identification of corn germplasm.

### 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 1353 corn

Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 14072 forest germplasm conservation principles and methods SN/T 1193 genetic testing laboratory technical requirements SN/T 1584 corn exit quarantine procedures ASTM E1342 refrigeration, freeze-dried and stored Low Temperature Maintenance of bacteria, fungi, protists, viruses, and movable genetic elements Save and plant tissues

### 3 Terms and Definitions

The following terms and definitions apply to this document.

Germplasm

Parental passed through sexual reproduction process directly or somatic cell genetic material to offspring and decided to intrinsic properties.

Germplasm germplasmresources Crops, livestock, poultry, fish, grass, flowers and other cultivated plants and domesticated animals, cultivated variety of resources and their wild relatives.

Lemma husk

Flowers on the grassy spikelets, which has two outer bracts, the outer one called lemma, wrapped inside a called palea.

Embryo

After the egg cell and a sperm development is made, it is undeveloped in seeds young plants, including the germ, hypocotyl, radicle and cotyledons Four parts.

Caryopsis

Single grain seed formation of fruit, when ripe peel, seed coat easily separated, this is the fruit of a unique grasses.