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Peas

豌豆

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Peas

1 Scope

This standard specifies the terms and definitions, classification, quality requirements and hygienic requirements, inspection methods, inspection rules, labeling, packaging, storage, and transportation requirements of peas.

This standard applies to purchasing, storage, transportation, processing, and sale of commercial peas.

2 Normative references

The provisions in the following documents become the provisions of this standard through references in this standard. For the dated references, the subsequent amendments (excluding corrections) 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 to this standard.

GB 2715 National food safety standard - Grain

GB/T 5490 Inspection of grain and oils - General rules

GB 5491 Inspection of grain and oilseeds - Methods for sampling and sample reduction

GB/T 5492 Inspection of grain and oils - Identification of colour, odour and taste of grain and oilseeds

GB/T 5493 Inspection of grain and oils - Determination of type purity and their mixture

GB/T 5494 Inspection of grain and oils - Determination of foreign matter and unsound kernels of grain and oilseeds

GB/T 5497 Inspection of grain and oilseeds - Methods for determination of moisture content

GB/T 5519 Cereals and pulses - Determination of the mass of 1000 grains

GB 7718 National food safety standard - General standard for the labeling of

prepackaged foods

GB/T 17109 Package of grain sells

GB/T 22725 Inspection of grain and oils - Determination of pure kernel yield of grain and oils

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 peas

Legume seeds produced by pea cultivars.

3.2 pure grain yield

The proportion of pea grains from which foreign impurities have been removed in the mass fraction of the sample, of which the unsound kernels are calculated as half of their masses.

3.3 unsound kernel

Kernels that are damaged but still have use value, including the following:

3.3.1 spotted kernel

The kernel that has disease spots on the surface, which damaged the embryo.

3.3.2 injured kernel

The kernel whose seed coat is eroded by insects and the embryo is damaged.

3.3.3 moldy kernel

The kernel whose surface is moldy.

3.3.4 broken kernel

The kernel whose cotyledon is incomplete, transected, or broken.

3.3.5 sprouted kernel

The kernel whose embryonic shoot or radicle breaks through the seed coat.

3.3.6 shrivelled pods/kernel

The kernel that is not plump, and more than half of its surface is shrunk; it is significantly different from normal kernels.

3.4 foreign impurity

Substances that are not peas, including the following:

3.4.1 material passed sieve

Material that can pass through a 3.0 mm diameter round-hole sieve.

3.4.2 inorganic impurity

Soil, sand, bricks, tiles, and other inorganic substances.

3.4.3 organic impurity

Pea kernels, heterogeneous kernels, straw residues, and other organic matter, which have no edible value.

3.5 colour, odour

The inherent colour and odour of a batch of peas.

4 Categories

Peas can be divided into the following categories according to their 1000-grain weight and skin color:

4.1 Large-grained white peas: Peas whose 1000-grain weight is greater than 250 g, and no less than 95% of which the seed coat is white or yellowish-white.

4.2 Large-grained green peas: Peas whose 1000-grain weight is greater than 250 g, and no less than 95% of which the seed coat is green.

4.3 Large-grained purple peas: Peas whose 1000-grain weight is greater than 250 g, and no less than 95% of which the seed coat is purple or brownish-purple.

4.4 Medium-grained white peas: Peas whose 1000-grain weight is between 150 g and 250 g, and no less than 95% of which the seed coat is white or yellowish-white.

4.5 Medium-grained green peas: Peas whose 1000-grain weight is between 150 g and 250 g, and no less than 95% of which the seed coat is green.

4.6 Medium-grained purple peas: Peas whose 1000-grain weight is between 150 g and 250 g, and no less than 95% of which the seed coat is purple or brownish-purple.

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