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Unshelled pine nuts — Specification

Pignons non décortiqués — Spécifications



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7911 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Sub-Committee SC 13, *Dry and dried fruits and vegetables*.

Annexes A, B and C form an integral part of this International Standard.

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Unshelled pine nuts — Specification

1 Scope

This International Standard specifies requirements for unshelled pine nuts, obtained from the cones of the stone pine tree (*Pinus pinea* Linnaeus), for human consumption.

It applies to unshelled pine nuts obtained from cones which have been dried in the sun, or in special ovens. It is not applicable to roasted, salted or any other type of processed pine nuts, or to pine nuts obtained by burning of the cones.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 565:1990, *Test sieves — Metal wire cloth, perforated metal plate and electroformed sheet — Nominal sizes of openings*.

ISO 2591-1:1988, *Test sieving — Part 1: Methods using test sieves of woven wire cloth and perforated metal plate*.

ISO 3310-1:1990, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*.

ISO 3310-2:1990, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*.

ISO 6756:1984, *Decorticated stone pine nuts — Specification*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 pest-infested unshelled pine nuts: Nuts damaged externally or internally by insect infestation and/or infestation by other animal pests.

3.2 rodent-damaged unshelled pine nuts: Nuts damaged by rodents.

3.3 spoiled unshelled pine nuts: Rancid, fermented, mouldy or rotten nuts, or nuts stained by reddish or black spots.

3.4 seed powder: A brown powder formed naturally in the cone and adhering to the shell surface of the nut.

3.5 nuts having external defects: Broken, split, pest-infested or mouldy nuts, or nuts covered with seed powder.

3.6 nuts having internal defects: Nuts having undeveloped, rancid, rotten, fermented, mouldy, soft, brittle or pest-infested kernels or no kernels in the shell (empty nuts), or which have kernels with foreign odour or taste or reddish-black stains.

3.7 crop year: Year of harvest of unshelled pine nuts.

3.8 new crop (of unshelled pine nuts): The crop harvested in the previous year.

3.9 old crop (of unshelled pine nuts): The crop harvested in the year before the previous year.

3.10 moisture content of the kernels of unshelled pine nuts: Conventionally, the loss in mass determined under the operating conditions specified in annex C of this International Standard, or by using the entrainment method specified in ISO 6756.