



# SLOVENSKI STANDARD SIST ISO 2254:2011

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**Klinčki, celi in mleti (v prahu) - Specifikacija**

Cloves, whole and ground (powdered) -- Specification

**iTeh STANDARD PREVIEW**  
Clous de girofle entiers et clous de girofle en poudre -- Spécifications  
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**Ta slovenski standard je istoveten z: ISO 2254:2004**

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**ICS:**

67.220.10      Začimbe

Spices and condiments

**SIST ISO 2254:2011**

**en,fr,de**

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# INTERNATIONAL STANDARD

**ISO**  
**2254**

Second edition  
2004-07-01

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## **Cloves, whole and ground (powdered) — Specification**

*Clous de girofle entiers et clous de girofle en poudre — Spécifications*

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Reference number  
ISO 2254:2004(E)

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## ISO 2254:2004(E)

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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2254 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 7, *Spices and condiments*.

This second edition cancels and replaces the first edition (ISO 2254:1980), of which it constitutes a minor revision.

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# Cloves, whole and ground (powdered) — Specification

## 1 Scope

This International Standard specifies requirements for whole and ground (powdered) cloves [*Syzygium aromaticum* (L.) Merr. et L.M. Perry].

Recommendations relating to storage and transport are given in Annex A for information only.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 927, *Spices and condiments — Determination of extraneous matter content*

ISO 928, *Spices and condiments — Determination of total ash*

ISO 930, *Spices and condiments — Determination of acid-insoluble ash*

ISO 939, *Spices and condiments — Determination of moisture content — Entrainment method*

ISO 948, *Spices and condiments — Sampling*

ISO 1208, *Spices and condiments — Determination of filth*

ISO 2825, *Spices and condiments — Preparation of a ground sample for analysis*

ISO 5498, *Agricultural food products — Determination of crude fibre content — General method*

ISO 6571, *Spices, condiments and herbs — Determination of volatile oil content*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### whole clove

floral bud, harvested before blooming, and dried, of [*Syzygium aromaticum* (L.) Merr. et L.M. Perry].

NOTE It comprises a receptacle containing, in its upper part, two loculi containing numerous ovules, and crowned by four acute divergent sepals surrounding a dome-shaped head consisting of four paler unexpanded membranous imbricate petals enclosing numerous incurved stamens and a single stiff erect style.

cf. Figure 1.

## ISO 2254:2004(E)

## 3.2

**headless clove**

clove consisting of only the receptacle and sepals and which has lost the dome-shaped head

cf. Figure 2.

## 3.3

**khoker clove**

clove which has undergone fermentation as a result of incomplete drying, as evidenced by its pale brown colour, whitish mealy appearance and, often, wrinkled surface

## 3.4

**mother clove**

fruit of the clove tree (*Syzygium aromaticum*), which is in the form of an ovoid brown berry surmounted by four incurved sepals

cf. Figure 3.

## 3.5

**clove stem**

dry fragment of the stalk of the clove

cf. Figure 4.

## 3.6

**ground (powdered) clove**

powder obtained by grinding cloves without any addition

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Figure 1 — Whole clove

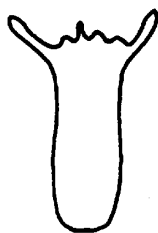


Figure 2 — Headless clove





Figure 3 — Mother clove



Figure 4 — Clove stem

## 4 Requirements

### 4.1 Odour and flavour

Whole or ground (powdered) cloves shall have a strong aromatic, spicy odour and characteristic flavour. They shall be free from off-flavours, including mustiness.

### 4.2 Colour

**4.2.1** Whole cloves shall be of a reddish-brown to blackish-brown colour.

**4.2.2** Ground (powdered) cloves shall be of a brown colour with a violet tinge.

### 4.3 Absence of moulds, insects, etc.

The cloves, whole or ground (powdered), shall be free from living insects and moulds, and shall be practically free from dead insects, insect fragments and rodent contamination visible to the naked eye (corrected if necessary, for abnormal vision), with such magnification as may be necessary in any particular case. If the magnification exceeds  $10\times$ , this fact shall be stated in the test report.

In case of dispute, contamination in ground (powdered) cloves shall be determined by the method described in ISO 1208.

### 4.4 Extraneous matter

Extraneous matter includes the following:

- dirt, dust, mud, stones, pieces of wood, etc.;
- all the particles originating from the plant other than the cloves, tendrils and peduncles;
- exhausted cloves.