



SLOVENSKI STANDARD
SIST ISO 7928-2:1997

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Šetraj - Specifikacija - 2. del: Vrtni šetraj (Satureja hortensis Linnaeus)

Savory -- Specification -- Part 2: Summer savory (Satureja hortensis Linnaeus)

Sarriette -- Spécifications -- Partie 2: Sarriette des jardins (Satureja hortensis Linnaeus)

Ta slovenski standard je istoveten z: ISO 7928-2:1991

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INTERNATIONAL STANDARD

ISO
7928-2

First edition
1991-12-01

Savory — Specification —

Part 2:

Summer savory (*Satureja hortensis* Linnaeus)

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Sarriette — Spécifications —

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Reference number
ISO 7928-2:1991(E)

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 7928-2 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Sub-Committee SC 7, *Spices and condiments*.

ISO 7928 consists of the following parts, under the general title *Savory — Specification*:

- Part 1: *Winter savory (Satureja montana Linnaeus)*
- Part 2: *Summer savory (Satureja hortensis Linnaeus)*

Annexes A and B of this part of ISO 7928 are for information only.

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Savory — Specification —

Part 2:

Summer savory (*Satureja hortensis* Linnaeus)

1 Scope

This part of ISO 7928 specifies the requirements of summer savory (*Satureja hortensis* Linnaeus) in the form of

- sprigs, and
- whole or broken leaves.

It is not applicable to winter savory (*Satureja montana* Linnaeus) which forms the subject of ISO 7928-1.

Recommendations relating to storage and transport conditions are given in annex A, for information.

ISO 930:1980, *Spices and condiments — Determination of acid-insoluble ash.*

ISO 939:1980, *Spices and condiments — Determination of moisture content — Entrainment method.*

ISO 2825:1981, *Spices and condiments — Preparation of a ground sample for analysis.*

ISO 6571:1984, *Spices, condiments and herbs — Determination of volatile oil content.*

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2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 7928. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 7928 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 927:1982, *Spices and condiments — Determination of extraneous matter content.*

ISO 928:1980, *Spices and condiments — Determination of total ash.*

3 Description

Summer savory is the herbaceous annual plant *Satureja hortensis* Linnaeus, belonging to the family *Lamiaceae*. Its flowers are white or rose in colour (see figure 1).

It is available commercially in the form of whole sprigs, harvested before blooming, but more frequently in the form of whole or broken leaves.

Sprigs are 15 cm to 30 cm in height. The stem is reddish in colour. (See figure 2.)

The leaves are opposite, oblong or approximately lanceolate, whole, flat, subsessile, spotted and glandulous.

Their length varies between 30 mm and 35 mm and their width from 3 mm to 6 mm. Their colour is dark green.

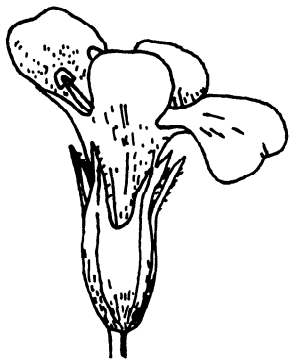


Figure 1 — Flower of summer savory



Figure 2 — Sprig of summer savory

4 Specifications

4.1 Odour and flavour

Summer savory has a typical, strong and pleasant odour. Its flavour is aromatic and hot, similar to that of carvacrol. It shall be free from all foreign flavour or odour.

4.2 Freedom from insects, moulds, etc.

Summer savory shall be free from living insects and moulds, and practically free from dead insects, insect fragments and rodent contamination visible to

the naked eye (corrected, if necessary, for abnormal vision) or with such magnification as may be necessary in any particular case. If the magnification exceeds $\times 10$, this fact shall be mentioned in the test report.

4.3 Extraneous matter

For the purposes of this part of ISO 7928, all vegetable matter other than savory (described in clause 3) and all matter of animal (excluding that arising from insects and rodents) or mineral origin are considered to be extraneous matter.

The total percentage of extraneous matter in summer savory, determined in accordance with ISO 927, shall not exceed 1 % (*m/m*).

The proportion of broken stems in summer savory marketed in the form of whole or broken leaves shall not exceed 2 % (*m/m*).

4.4 Chemical requirements

Summer savory shall comply with the requirements specified in table 1.

Table 1 — Chemical requirements

Characteristic	Requirement		Test method
	Savory as sprigs	Savory as leaves	
Moisture content, % (<i>m/m</i>) max.	13	13	ISO 939
Total ash, % (<i>m/m</i>), on dry basis, max.	12	11	ISO 928
Acid-insoluble ash, % (<i>m/m</i>), on dry basis, max.	1	1	ISO 930
Volatile oil, % (<i>ml/100 g</i>), on dry basis, min.	0,3	0,5	ISO 6571

4.5 Chromatographic requirements

The volatile oils obtained by dry distillation of the dried leaves of summer savory, and analysed by using gas chromatography (for example, under the operating conditions indicated on the chromatograms given in annex B) shall comprise the following main constituents: γ -terpinene, *p*-cymene, linalool, 1-terpinen-4-ol and carvacrol.

NOTE 1 Gas chromatography should not be carried out on the volatile oil obtained by the entrainment method (ISO 6571) which is used for the quantitative estimation as specified in table 1.

5 Sampling

Sampling should have been carried out in accordance with ISO 948¹⁾.

6 Test methods

Samples of summer savory shall be tested for conformity with the requirements of this part of ISO 7928 using the test methods specified in 4.3 and table 1.

The ground sample for analysis shall be prepared in accordance with ISO 2825 and shall pass completely through a sieve having apertures of size 300 µm.

7 Packing and marking

7.1 Packing

Summer savory shall be packed in clean and sound containers made of a material which does not affect the product but which protects it from the ingress or loss of moisture and volatile matter. Examples of containers which meet these requirements are tin plate containers, wooden cases with internal waterproof liners and new jute bags with waterproof internal liners.

7.2 Marking

The following particulars shall be marked directly on each package or shall be marked on a label attached to the package:

- a) name of the product and trade-name;
- b) name and address of the producer or packer, or trade-mark;
- c) code or batch number;
- d) net mass;
- e) producing country;
- f) destination, i.e. name of the port or of the city; and, if required,
- g) any other information requested by the purchaser, such as the year of harvest and the date of packing (if known);
- h) reference to this part of ISO 7928.

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1) ISO 948:1980, *Spices and condiments — Sampling*.

Annex A (informative)

Recommendations relating to storage and transport conditions

A.1 Packages of summer savory shall be stored in covered premises, well protected from the sun, rain and excessive heat.

A.2 The storeroom shall be dry, free from unpleasant odours and protected against entry of insects and other vermin. Ventilation shall be adjusted in such a way as to give good ventilation during dry weather and to be fully closed under damp con-

ditions. Suitable provisions shall be made for fumigation of storerooms.

A.3 Packages shall be handled and transported in such a way that they are protected from the rain, sun or other sources of excessive heat, unpleasant odours and any other contamination (especially in the holds of ships).

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Annex B
(informative)

Typical chromatograms

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