



**SLOVENSKI STANDARD**  
**SIST ISO 7926:1997**

**01-junij-1997**

---

**Suhi pehtran (*Artemisia dracunculus* (Linnaeus) - Specifikacija)**

Dehydrated tarragon (*Artemisia dracunculus* Linnaeus) -- Specification

Estragon déshydraté (*Artemisia dracunculus* Linnaeus) -- Spécifications

**Ta slovenski standard je istoveten z: ISO 7926:1991**

[SIST ISO 7926:1997](https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-be6e-67137e337d60/sist-iso-7926-1997)

<https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-be6e-67137e337d60/sist-iso-7926-1997>

**ICS:**

67.220.10      Začimbe      Spices and condiments

**SIST ISO 7926:1997**      **en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST ISO 7926:1997

<https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-be6e-67137e337d60/sist-iso-7926-1997>

# INTERNATIONAL STANDARD

**ISO  
7926**

First edition  
1991-12-01

---

---

## Dehydrated tarragon (*Artemisia dracunculus* Linnaeus) — Specification

**iTeh STANDARD PREVIEW**  
*Estragon déshydraté (Artemisia dracunculus Linnaeus) — Spécifications*  
**(standards.iteh.ai)**

SIST ISO 7926:1997

<https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-be6e-67137e337d60/sist-iso-7926-1997>



Reference number  
ISO 7926:1991(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 7926 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Sub-Committee SC 7, *Spices and condiments*.

Annex A forms an integral part of this International Standard. Annexes B and C are for information only.

© ISO 1991

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

# Dehydrated tarragon (*Artemisia dracunculus* Linnaeus) — Specification

## 1 Scope

This International Standard specifies the requirements of dehydrated tarragon (*Artemisia dracunculus* Linnaeus) (methylchavicol type<sup>1)</sup>) in the form of whole or cut leaves and powder.

It does not apply to the elemicin-sabinene-type tarragon.

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

ISO 927:1982, *Spices and condiments — Determination of extraneous matter content.*

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

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

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

ISO 1208:1982, *Spices and condiments — Determination of filth.*

ISO 9657:1984, *Spices, condiments and herbs — Determination of volatile oil content.*

## 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.

<https://standards.iteh.ai/catalog/standards/sist-67137e337d60/sist-iso-7926-1997>

## 3 Description (see figure 1)

Tarragon is the perennial plant *Artemisia dracunculus* Linnaeus, belonging to the family Asteraceae.

It is available commercially in the form of leaves and flowering tops.

The colour of the dried leaves ranges from pale green to grey-green.

1) Also called "estragole-type tarragon".



Figure 1 — Tarragon — Stem with leaves

## 4 Requirements

### 4.1 Odour and flavour

Tarragon has a typical, pleasing and aromatic odour. Its flavour is pungent, aromatic and rather like that of aniseed. It shall be free from all foreign flavour or odour, particularly that of mould.

### 4.2 Freedom from insects, moulds, etc.

Dehydrated tarragon 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.

In cases of dispute, the contamination of tarragon in powder form shall be determined by using the method specified in ISO 1208.

### 4.3 Extraneous matter

For the purposes of this International Standard, all vegetable matter that does not belong to the tarragon plant and all other matter of animal (excluding that arising from insects and rodents), veg-

etable or mineral origin are considered to be extraneous matter.

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

The proportion of broken stems in tarragon in the form of whole or cut leaves shall not exceed 3 % (*m/m*).

The proportion of yellow or brown leaves in tarragon in the form of whole or cut leaves shall not exceed 15 % (*m/m*).

## 4.4 Classification

Tarragon may be classified according to the producing country (e.g. France, Yugoslavia, etc.) and/or its form of presentation (e.g. according to different cuts).

## 4.5 Chemical requirements

Dehydrated tarragon in the form of whole or cut leaves and powder shall comply with the requirements specified in table 1.

Table 1 — Chemical requirements

Characteristic	Requirement		Test method
	Tarragon as leaves	Tarragon as powder	
Moisture content, % ( <i>m/m</i> ), max.			ISO 939
sundried	10	10	
dried by artificial means	7	7	
Total ash, % ( <i>m/m</i> ), on dry basis, max.	12	12	ISO 928
Acid-insoluble ash, % ( <i>m/m</i> ), on dry basis, max.	1,5	1,5	ISO 930
Volatile oil, % (ml/100 g), on dry basis, min.	0,6	0,5	ISO 6571

## 4.6 Chromatographic requirements

The volatile oil obtained by dry distillation of the dried leaves of tarragon, and analysed by using gas chromatography (for example, under the operating conditions indicated on the chromatogram given in annex C) shall comprise the following main constituents: *cis*- $\beta$ -ocimene, *trans*- $\beta$ -ocimene, *trans*-anethole, methylchavicol (estragole), and methyl-eugenol.

The volatile oil shall not contain significant amounts of either sabinene or elemicin.

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 evaluation as specified in table 1.

## 5 Sampling

Sampling should have been carried out in accordance with ISO 948<sup>2)</sup>.

## 6 Test methods

Samples of tarragon in the form of whole or cut leaves and powder shall be tested for conformity with the requirements of this International Standard using the test methods specified in 4.3 and table 1.

The analysis shall be carried out on the product as supplied.

Samples of tarragon in powder form shall be subject to microscopic analysis (see annex A).

## 7 Packing and marking

### 7.1 Packing

Dehydrated tarragon shall be packed in clean, sound and dry 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.

### 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;
- and, if required,
- f) any other information requested by the purchaser, such as the year of harvest and the date of packing (if known);

g) reference to this International Standard.

iTeH STANDARD PREVIEW  
(standards.iteh.ai)

SIST ISO 7926:1997  
<https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-bef6-67137e337d60/sist-iso-7926-1997>

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

## Annex A (normative)

### Microscopic examination of the fragments of the dried leaves of tarragon

Take a few fragments of the dried leaves (a few square millimetres) and re-hydrate them by placing them in boiling water. Mount them in a microscope slide and observe them through the microscope.

If there are no hairs or only hairs of the bifidated type (see figure A.1), the tarragon is of the methylchavicol type (called "French tarragon"). If star-type trichomes are observed (see figure A.2) the tarragon is of the elemicin-sabinene type (called "Russian tarragon").

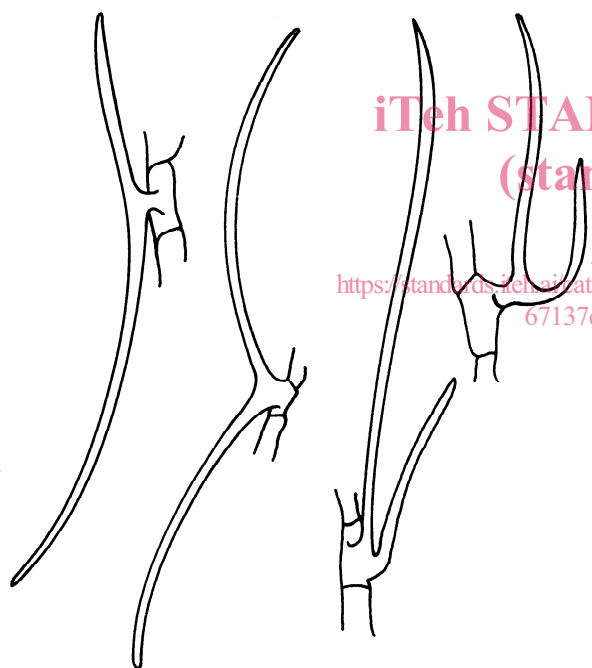


Figure A.1 — Methylchavicol-type tarragon



Figure A.2 — Elemicin-sabinene-type tarragon

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

SIST ISO 7926:1997

<https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-4684-946-67137e337d60/sist-iso-7926-1997>

## **Annex B** (informative)

### **Recommendations relating to storage and transport conditions**

**B.1** Packages of tarragon shall be stored in covered premises, well protected from the sun, rain and excessive heat.

**B.2** The storeroom shall be dry, free from unpleasant odours and protected against entry of insects and other vermin. Ventilation shall be adjusted to give good ventilation during dry weather and to be fully closed under damp conditions. Suitable

provisions shall be made for fumigation of storerooms.

**B.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).

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)

[SIST ISO 7926:1997](https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-be6e-67137e337d60/sist-iso-7926-1997)

<https://standards.iteh.ai/catalog/standards/sist/404942ac-bad5-467d-be6e-67137e337d60/sist-iso-7926-1997>