

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION

### R 1342

#### iTeh STANDARD PREVIEW

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**OIL OF ROSEMARY**

[ISO/R 1342:1971](https://standards.iteh.ai/catalog/standards/sist/cbd00bbb-ca0d-459e-9473-b9b63f838583/iso-r-1342-1971)

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## BRIEF HISTORY

The ISO Recommendation R 1342, *Oil of rosemary*, was drawn up by Technical Committee ISO/TC 54, *Essential oils*, the Secretariat of which is held by the Repartição de Normalização (IGPAI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1342, which was circulated to all the ISO Member Bodies for enquiry in September 1967. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Iran	Romania
Belgium	Israel	Turkey
Brazil	Italy	U.A.R.
Canada	Japan	United Kingdom
Czechoslovakia	Netherlands	U.S.S.R.
France	Portugal	Yugoslavia

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

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**OIL OF ROSEMARY**

**1. SCOPE**

This ISO Recommendation specifies certain characteristics of oil of rosemary, with a view to facilitating the appreciation of its quality.

**2. DEFINITION**

*Oil of rosemary.* The oil obtained by steam distillation of the twigs and blossoming tips of *Rosmarinus officinalis* L.

**3. REQUIREMENTS**

Characteristic	Requirements				
	Country of origin				
	France	North Africa	Spain	Portugal	
Appearance	clear, mobile liquid				
Colour	almost colourless to pale yellow				
Odour	characteristic, refreshing, pleasant				
Relative density at 20/20 °C	min. max.	0.895 0.916	0.908 0.920	0.895 0.905	0.860 0.880
Refractive index at 20 °C	min. max.	1.467 1.474		1.466 1.475	
Optical rotation at 20 °C		range from -1° to +16°	range from -1° to +6°	range from -3° to +10°	range from +4° to +25°
Solubility in 80 % (V/V) ethanol at 20 °C		soluble in less than 10 volumes	soluble in 1 volume or more	soluble in less than 10 volumes	—————
		..... sometimes with opalescence on dilution			
Solubility in 90 % (V/V) ethanol at 20 °C		—————		soluble in less than 1 volume	
Acid value	max.	1.0			
Ester value	min. max.	2 20		2 10	
Ester value after acetylation	min. max.	43 76	43 72	43 65	19 56

#### 4. SAMPLING

See ISO Recommendation R 212, *Essential oils – Sampling*.

Minimum volume of final sample : 50 cm<sup>3</sup>.

#### 5. METHODS OF TEST

##### 5.1 Relative density at 20/20 °C

See ISO Recommendation R 279, *Determination of the density and relative density of essential oils*.

##### 5.2 Refractive index at 20 °C

See ISO Recommendation R 280, *Determination of the refractive index of essential oils*.

##### 5.3 Optical rotation at 20 °C

See ISO Recommendation R 592, *Determination of the optical rotation of essential oils*.

##### 5.4 Solubility in 80 % or 90 % (V/V) ethanol at 20 °C

See ISO Recommendation R 875, *Determination of solubility of essential oils in ethanol*.

##### 5.5 Acid value

See ISO Recommendation R 1242, *Determination of acid value of essential oils*.\*

##### 5.6 Ester value

See ISO Recommendation R 709, *Determination of ester value and calculation of ester content of essential oils*.

##### 5.7 Ester value after acetylation

See ISO Recommendation R ...\*\* *Determination of the ester value after acetylation of essential oils containing linalol or terpineol*.

#### 6. PACKING, LABELLING AND MARKING

See ISO Recommendation R 210, *Essential oils – Packing*.

See ISO Recommendation R 211, *Essential oils – Labelling and marking containers*.

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\* At present at the stage of Draft ISO Recommendation.

\*\* At present at the stage of draft proposal.