

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION

### R 1342

OIL OF ROSEMARY

1st EDITION

July 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.

## 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
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°
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