

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 770

OIL OF EUCALYPTUS GLOBULUS

1st EDITION

June 1968

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BRIEF HISTORY

The ISO Recommendation R 770, *Oil of Eucalyptus globulus*, 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 by the Technical Committee began in 1956 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In April 1964, this Draft ISO Recommendation (No. 724) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	Greece	Romania
Austria	Israel	South Africa,
Belgium	Italy	Rep. of
Brazil	Korea, Rep. of	Spain
Canada	Morocco	United Kingdom
Chile	Netherlands	U.S.S.R.
Colombia	New Zealand	Yugoslavia
France	Poland	
Germany	Portugal	

Two Member Bodies opposed the approval of the Draft:

Australia
India

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in June 1968, to accept it as an ISO RECOMMENDATION.

OIL OF EUCALYPTUS GLOBULUS

1. SCOPE

This ISO Recommendation specifies certain characteristics of oil of *Eucalyptus globulus* with a view to facilitating the appreciation of its quality.

2. DEFINITION

By "oil of *Eucalyptus globulus*" is meant the oil obtained by steam distillation of the leaves of *Eucalyptus globulus*, Labillardière.

3. REQUIREMENTS

3.1 Appearance

Clear.

3.2 Colour

Almost colourless to pale yellow.

3.3 Odour

Characteristic, recalling cineole.

3.4 Relative density at 20/20 °C

Minimum : 0.906.

Maximum : 0.925.

3.5 Refractive index at 20 °C

Minimum : 1.459.

Maximum : 1.467.

3.6 Optical rotation at 20 °C

Range from 0° to + 10°.

3.7 Solubility in 70% (v/v) ethanol at 20 °C

One volume of the essential oil should not require more than five volumes of the diluted ethanol to give a clear solution.

3.8 Cineole content

Minimum: 70%.