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# INTERNATIONAL STANDARD



# 3065

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Oil of Australian Eucalyptus, 80 to 85 % cineole content

*Huile essentielle d'Eucalyptus d'Australie, de teneur en cinéole 80 à 85 %*

First edition — 1974-03-15

ITeH STANDARD PREVIEW  
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[ISO 3065:1974](https://standards.iteh.ai/catalog/standards/sist/c49d314d-9817-4bd6-bab2-98788e04cf8f/iso-3065-1974)

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**Descriptors** : essential oils, eucalyptus, materials specifications.

Price based on 2 pages

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3065 was drawn up by Technical Committee ISO/TC 54, *Essential oils*, and circulated to the Member Bodies in January 1973.

It has been approved by the Member Bodies of the following countries :

Australia  
Belgium  
Czechoslovakia  
Egypt, Arab Rep. of  
France  
India

Italy  
Japan  
Netherlands  
Portugal  
South Africa, Rep. of  
Spain

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Thailand

Turkey

United Kingdom

Yugoslavia

No Member Body expressed disapproval of the document.

This International Standard is one of a number of ISO publications dealing with oil of Eucalyptus. Other documents in the series are :

ISO/R 770, *Oil of Eucalyptus globulus*.

ISO 3044, *Oil of Eucalyptus citriodora*.<sup>1)</sup>

ISO . . . , *Rectified oil of Eucalyptus globulus*.<sup>2)</sup>

1) At present at the stage of draft.

2) In preparation.

# Oil of Australian Eucalyptus, 80 to 85 % cineole content

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies certain characteristics of oil of Australian Eucalyptus species, 80 to 85 % cineole content, with a view to facilitating the assessment of its quality.

## 2 REFERENCES

ISO/R 210, *Essential oils — Packing.*

ISO/R 211, *Essential oils — Labelling and marking containers.*

ISO 212, *Essential oils — Sampling.*

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

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

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

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

ISO/R 1202, *Essential oils — Determination of cineole content.*

## 3 DEFINITION

**oil of Australian Eucalyptus 80 to 85 % cineole content :**  
The oil with a cineole content in the range of 80 to 85 %, obtained by steam distillation of foliage of appropriate species of Eucalyptus of Australian origin.

## 4 REQUIREMENTS

### 4.1 Appearance

Clear, mobile liquid.

### 4.2 Colour

Colourless to pale yellow.

### 4.3 Odour

Characteristic of the odour of 1,8-cineole.

### 4.4 Relative density at 20/20 °C

Minimum : 0,918

Maximum : 0,928

### 4.5 Refractive index at 20 °C

Minimum : 1,458 0

Maximum : 1,465 0

### 4.6 Optical rotation at 20 °C

Range from  $-2^{\circ}$  to  $+2^{\circ}$

### 4.7 Solubility in 70 % (V/V) ethanol at 20 °C

The solubility in 70 % (V/V) ethanol shall be 1 volume in 3 volumes to give a clear solution.

### 4.8 Cineole content

Minimum : 80 % (m/m)

Maximum : 85 % (m/m)

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### 5 SAMPLING

See ISO 212.

Minimum volume of final sample : 50 ml.

### 6 METHODS OF TEST

#### 6.1 Relative density at 20/20 °C

See ISO/R 279.

#### 6.2 Refractive index at 20 °C

See ISO/R 280.

#### 6.3 Optical rotation at 20 °C

See ISO/R 592.

#### 6.4 Solubility in 70 % (V/V) ethanol at 20 °C

See ISO/R 875.

#### 6.5 Cineole content

See ISO/R 1202.

### 7 PACKING, LABELLING AND MARKING

See ISO/R 210 and ISO/R 211.

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