

Australian Standard<sup>®</sup>

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**Oil of *Melaleuca*, terpinen-4-ol type  
(Tea Tree oil)**

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This Australian Standard was prepared by Committee CH/21, Essential Oils. It was approved on behalf of the Council of Standards Australia on 20 June 1997 and published on 5 August 1997.

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Australian Association of Certification Bodies  
Australian Government Analytical Laboratories  
Australian Society of Cosmetic Chemists  
Australian Society of Perfumers and Flavourists  
Australian Tea Tree Industry Association  
Bureau of Customs (Commonwealth)  
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This Standard was issued in draft form for comment as DR 97098.

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Originated as AS K175—1967.  
Previous edition AS 2782—1985.  
Second edition 1997.

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7337 1287 8

## PREFACE

This Standard was prepared by the Standards Australia Committee CH/21, Essential Oils. This Standard is identical with and has been reproduced from ISO 4730:1996, *Oil of Melaleuca, terpinen-4-ol type (Tea Tree oil)*.

Australian variations to ISO 4730:1996 are listed in Appendix ZZ. The changes are indicated in the text by single marginal bars against the relevant clause, note, table or figure, or part thereof.

The objective of this Standard is to provide general characteristics of the oil of Melaleuca, terpinen-4-ol type (Tea Tree oil), in order to facilitate assessment of its quality.

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## AUSTRALIAN STANDARD

# Oil of *Melaleuca*, terpinen-4-ol type (Tea Tree oil)

## 1 Scope

This International Standard specifies certain characteristics of the oil of *Melaleuca*, terpinen-4-ol type (Tea Tree oil), in order to facilitate assessment of its quality.

## 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.

ISO 210:—<sup>1)</sup>, *Essential oils — General rules for packaging, conditioning and storage*.

ISO 211:—<sup>2)</sup>, *Essential oils — General rules for labelling and marking of containers*.

ISO 212:1973, *Essential oils — Sampling*.

ISO 279:1981, *Essential oils — Determination of relative density at 20°C (Reference method)*.

ISO 280:1976, *Essential oils — Determination of refractive index*.

ISO 592:1981, *Essential oils — Determination of optical rotation*.

ISO 875:1981, *Essential oils — Evaluation of miscibility in ethanol*.

ISO 11024-1:—<sup>3)</sup>, *Essential oils—General guidance on chromatographic profiles — Part 1: Preparation of chromatographic profiles for presentation in standards*.

## 3 Definition

For the purposes of this International Standard, the following definition applies.

**3.1 oil of *Melaleuca*, terpinen-4-ol type (Tea Tree oil):** Essential oil obtained by steam distillation of the foliage and terminal branchlets of *Melaleuca alternifolia* (Maiden et Betche) Cheel, *Melaleuca linariifolia* Smith, and *Melaleuca dissitiflora* F. Mueller, as well as other species of *Melaleuca* provided that the oil obtained conforms to the requirements given in this International Standard.

## 4 Requirements

### 4.1 Appearance

Clear, mobile liquid without visible traces of water.

### 4.2 Colour

Colourless to pale yellow.

1) To be published. (Revision of ISO 210:1961)

2) To be published. (Revision of ISO 211:1961)

3) To be published.



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