

Australian Standard™

**Oil of sandalwood [*Santalum spicatum*  
(R.Br) A.DC.]**

This Australian Standard was prepared by Committee CH-021, Essential Oils. It was approved on behalf of the Council of Standards Australia on 22 August 2003 and published on 9 October 2003.

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The following are represented on Committee CH-021:

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Australian Society of Cosmetic Chemists  
Australian Society of Perfumers and Flavourists  
Cosmetic Toiletry Fragrance Association of Australia  
Essential Oil Products Association of Australia  
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Australian Standard™

**Oil of sandalwood [*Santalum spicatum*  
(R.Br) A.DC.]**

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## PREFACE

This Standard was prepared by the Standards Australia Committee CH-021, Essential Oils, to supersede AS 2112—1977, *Oil of sandalwood, Australia*.

The objective of this Standard is to provide characteristics of oil of sandalwood, Australia for the essential oils industry to control the quality of the oil for domestic and international markets.

This edition includes flashpoint requirements and also data derived by chromatographic analysis of the oil.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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# STANDARDS AUSTRALIA

## Australian Standard

### Oil of sandalwood [*Santalum spicatum* (R.Br) A.DC.]

#### 1 SCOPE

This Standard specifies certain characteristics of oil of sandalwood [*Santalum spicatum* (R.Br) A.DC.].

NOTE: Typical chromatograms in accordance with AS 5025, Parts 1 and 2 and AS 5027 are given for information in Appendix A.

#### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

##### AS

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|--------|--|
| 2106   | Methods for the determination of the flashpoint of flammable liquids (closed cup) (series) |
| 4550   | Essential oils—Sampling  |
| 5025   | Essential oils—General guidance on chromatographic profiles                                |
| 5025.1 | Part 1: Preparation of chromatographic profiles for presentation in Standards              |
| 5025.2 | Part 2: Utilization of chromatographic profiles of samples of essential oils               |
| 5027   | Essential oils—Analysis by gas chromatography on capillary columns—General method          |

##### ISO

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|--------|--|
| TR 210 | Essential oils—General rules for packaging, conditioning and storage         |
| TR 211 | Essential oils —General rules for labelling and marking of containers        |
| 279    | Essential oils —Determination of relative density at 20°C (Reference method) |
| 280    | Essential oils —Determination of refractive index                            |
| 356    | Essential oils —Preparation of test samples                                  |
| 592    | Essential oils —Determination of optical rotation                            |
| 709    | Essential oils —Determination of ester value                                 |
| 875    | Essential oils —Evaluation of miscibility in ethanol                         |
| 1242   | Essential oils—Determination of the acid value                               |

Australian Code for the Transport of Dangerous Goods by Road and Rail

#### 3 DEFINITION

For the purpose of this Standard, the following definition applies.

##### 3.1 Oil of sandalwood

The oil obtained by steam distillation to exhaustion or solvent extraction and subsequent vacuum distillation from the heartwood of the tree *Santalum spicatum* (R.Br) A.DC. occurring in western Australia.