

Australian Standard™

**Oil of lavandin Abrial (*Lavandula  
angustifolia* Miller × *Lavandula  
angustifolia* Medikus), French type**

This Australian Standard was prepared by Committee CH-021, Essential Oils. It was approved on behalf of the Council of Standards Australia on 14 June 2002 and published on 27 June 2002.

---

The following are represented on Committee CH-021:

Australian Association of Certification Bodies  
Australian Society of Cosmetic Chemists  
Australian Society of Perfumers and Flavourists  
Cosmetic Toiletry Fragrance Association of Australia  
Essential Oil Producers Association  
New South Wales Agriculture  
Southern Cross University  
The Royal Australian Chemical Institute  
University of New South Wales  
University of Tasmania

---

#### **Keeping Standards up-to-date**

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Australia web site at [www.standards.com.au](http://www.standards.com.au) and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Australian Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at [mail@standards.com.au](mailto:mail@standards.com.au), or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

---

Australian Standard™

**Oil of lavandin Abrial (*Lavandula angustifolia* Miller × *Lavandula angustifolia* Medikus), French type**

First published as AS 5030—2002.

**COPYRIGHT**

© Standards Australia International

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia International Ltd  
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 4594 6

## PREFACE

This Standard was prepared by the Standards Australia Committee CH-021, Essential Oils. This Standard is identical with and has been reproduced from ISO 3054:2001, Oil of lavandin Abrial (*Lavandula angustifolia* Miller × *Lavandula latifolia* Medikus), French type.

The objective of this Standard is to specify certain characteristics of the oil of lavandin Abrial (*Lavandula angustifolia* × *Lavandula latifolia* Medikus), French type, in order to facilitate assessment of its quality

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text, 'this International Standard' should read 'this Australian Standard.'
- (c) A full point substitutes for a comma when referring to a decimal marker.
- (d) Substitute 'mL' for 'ml' wherever it appears.

References to International Standards should be replaced by references to equivalent Australian Standards as follows:

<i>Reference International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
212	Essential oils—Sampling	4550	Essential oils—Sampling
11024	Essential oils—General guidance on chromatographic profiles	5025	Essential oils—General guidance on chromatographic profiles
11024-1	Part 1: Preparation of chromatographic profiles for presentation in Standards	5025.1	Part 1: Preparation of chromatographic profiles for presentation in Standards
11924-2	Part 2: Utilization of chromatographic profiles of samples of essential oils	5025.2	Part 2: Utilization of chromatographic profiles of samples of essential oils

With the exception of those listed above, the ISO documents listed as normative references in Clause 2 have not been adopted as Australian Standards.

## CONTENTS

	<i>Page</i>	
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Term and definition .....</b>	<b>1</b>
<b>4</b>	<b>Requirements .....</b>	<b>1</b>
<b>4.1</b>	<b>Appearance .....</b>	<b>1</b>
<b>4.2</b>	<b>Colour .....</b>	<b>1</b>
<b>4.3</b>	<b>Odour .....</b>	<b>1</b>
<b>4.4</b>	<b>Relative density at 20 °C, <math>d_{20}^{20}</math> .....</b>	<b>2</b>
<b>4.5</b>	<b>Refractive index at 20 °C .....</b>	<b>2</b>
<b>4.6</b>	<b>Optical rotation at 20 °C .....</b>	<b>2</b>
<b>4.7</b>	<b>Miscibility in 70 % ethanol (volume fraction) at 20 °C .....</b>	<b>2</b>
<b>4.8</b>	<b>Acid value .....</b>	<b>2</b>
<b>4.9</b>	<b>Ester value .....</b>	<b>2</b>
<b>4.10</b>	<b>Chromatographic profile .....</b>	<b>2</b>
<b>4.11</b>	<b>Flashpoint .....</b>	<b>2</b>
<b>5</b>	<b>Sampling .....</b>	<b>2</b>
<b>6</b>	<b>Test methods .....</b>	<b>2</b>
<b>6.1</b>	<b>Relative density at 20 °C, <math>d_{20}^{20}</math> .....</b>	<b>2</b>
<b>6.2</b>	<b>Refractive index at 20 °C .....</b>	<b>2</b>
<b>6.3</b>	<b>Optical rotation at 20 °C .....</b>	<b>2</b>
<b>6.4</b>	<b>Miscibility in 70 % ethanol (volume fraction) at 20 °C .....</b>	<b>2</b>
<b>6.5</b>	<b>Acid value .....</b>	<b>2</b>
<b>6.6</b>	<b>Ester value .....</b>	<b>3</b>
<b>6.7</b>	<b>Chromatographic profile .....</b>	<b>3</b>
<b>7</b>	<b>Packaging, labelling, marking and storage .....</b>	<b>3</b>
<b>Annex A</b> (informative)	<b>Typical chromatograms of the analysis by gas chromatography of the essential oil of lavandin Abrial (<i>Lavandula angustifolia</i> Miller × <i>Lavandula latifolia</i> Medikus), French type .....</b>	<b>4</b>
<b>Annex B</b> (informative)	<b>Flashpoint .....</b>	<b>7</b>
<b>Bibliography</b> .....		<b>8</b>

NOTES

## AUSTRALIAN STANDARD

**Oil of lavandin Abrial (*Lavandula angustifolia* Miller × *Lavandula latifolia* Medikus), French type****1 Scope**

This International Standard specifies certain characteristics of the oil of lavandin Abrial (*Lavandula angustifolia* Miller × *Lavandula latifolia* Medikus), principally produced in France, in order to facilitate assessment of its quality.

NOTE This oil is also known commercially as oil of lavandin abrialis.

**2 Normative references**

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO/TR 210, *Essential oils — General rules for packaging, conditioning and storage*

ISO/TR 211, *Essential oils — General rules for labelling and marking of containers*

ISO 212, *Essential oils — Sampling*

ISO 279, *Essential oils — Determination of relative density at 20 °C — Reference method*

ISO 280, *Essential oils — Determination of refractive index*

ISO 592, *Essential oils — Determination of optical rotation*

ISO 709, *Essential oils — Determination of ester value*

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

ISO 1242, *Essential oils — Determination of acid value*

ISO 11024-1, *Essential oils — General guidance on chromatographic profiles — Part 1: Preparation of chromatographic profiles for presentation in standards*

ISO 11024-2, *Essential oils — General guidance on chromatographic profiles — Part 2: Utilization of chromatographic profiles of samples of essential oils*

**3 Term and definition**

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

**3.1 oil of lavandin Abrial**

essential oil obtained by steam distillation of the freshly cut flowering tops of a particular clone of lavandin (*Lavandula angustifolia* Miller × *Lavandula latifolia* Medikus), of the Lamiaceae family, principally produced in France

NOTE For information on CAS numbers, see the introduction in ISO 4720.

**4 Requirements****4.1 Appearance**

Clear mobile liquid.

**4.2 Colour**

Pale yellow.

**4.3 Odour**

Characteristic, resembling lavender, with a camphoraceous note.