

BS ISO 3528:2012



BSI Standards Publication

Essential oil of mandarin, Italian type (*Citrus reticulata* Blanco)

bsi.

...making excellence a habit.
AVA Documents™
Document Sharing Hub

National foreword

This British Standard is the UK implementation of ISO 3528:2012.

The UK participation in its preparation was entrusted to Technical Committee AW/54, Essential oils.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2012

Published by BSI Standards Limited 2012

ISBN 978 0 580 68035 9

ICS 71.100.60

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2012.

Amendments issued since publication

Amd. No.	Date	Text affected
----------	------	---------------

INTERNATIONAL STANDARD

ISO
3528

Third edition
2012-07-01

Essential oil of mandarin, Italian type (*Citrus reticulata* Blanco)

Huile essentielle de mandarine, type Italie (Citrus reticulata Blanco)



Reference number
ISO 3528:2012(E)
Documents
Document Sharing Hub
© ISO 2012



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	1
4.1 Appearance	1
4.2 Colour	2
4.3 Odour	2
4.4 Relative density at 20 °C, d_{20}^{20}	2
4.5 Refractive index at 20 °C	2
4.6 Optical rotation at 20 °C	2
4.7 Residue on evaporation	2
4.8 Miscibility with 90 % (volume fraction) ethanol at 20 °C	2
4.9 Acid value	3
4.10 Chromatographic profile	3
4.11 Flashpoint	3
5 Sampling	3
6 Test methods	3
6.1 Relative density at 20 °C, d_{20}^{20}	3
6.2 Refractive index at 20 °C	4
6.3 Optical rotation at 20 °C	4
6.4 Residue on evaporation	4
6.5 Miscibility with 90 % (volume fraction) ethanol at 20 °C	4
6.6 Acid value	4
6.7 Chromatographic profile	4
7 Packaging, labelling, marking and storage	4
Annex A (informative) Typical chromatograms of the analysis by gas chromatography of the essential oil of mandarin, Italian type (<i>Citrus reticulata</i> Blanco)	5
Annex B (informative) Flashpoint	8
Bibliography	9

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3528 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

This third edition cancels and replaces the second edition (ISO 3528:1997), which has been technically revised. It also incorporates the Technical Corrigendum ISO 3528:1997/Cor.1:1998.