



This is a preview of ISO 9842:2024. [Click here to purchase the full version from the ANSI store.](#)

**ISO 9842**

**Essential oil of rose (*Rosa x damascena* Miller)**

*Huile essentielle de rose (Rosa x damascena Miller)*

**Third edition  
2024-10**

This is a preview of ISO 9842:2024. Click [here](#) to purchase the full version from the ANSI store.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of ISO 9842:2024. [Click here to purchase the full version from the ANSI store.](#)

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Requirements (all origins)</b> .....	<b>1</b>
4.1 General requirements.....	1
4.2 Chromatographic profile.....	2
<b>5 Flashpoint</b> .....	<b>2</b>
<b>6 Sampling</b> .....	<b>2</b>
<b>7 Packaging, labelling, marking and storage</b> .....	<b>2</b>
<b>Annex A (informative) Typical chromatograms of the analysis by gas chromatography of the essential oil of rose (<i>Rosa x damascena</i> Miller)</b> .....	<b>3</b>
<b>Annex B (informative) Flash point</b> .....	<b>7</b>
<b>Bibliography</b> .....	<b>8</b>

This is a preview of ISO 9842:2024. [Click here to purchase the full version from the ANSI store.](#)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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

This third edition cancels and replaces the second edition (ISO 9842:2003), which has been technically revised.

The main changes are as follows:

- the structure of the document has been changed;
- “oil” has been replaced by “essential oil” throughout the whole document, including the title;
- in [Table 1](#), the temperature has been changed from 20 °C to 25 °C for relative density and refractive index and optical rotation measurements;
- in [Table 2](#), additional compounds and ranges, [(8Z)-Heptadecene, (9Z)-Nonadecene and Methyleugenol], have been added;
- in [Table 2](#), the “Turkey peasant type” has been deleted;
- in [Annex A](#), the operating conditions and chromatograms obtained on the polar phase have been modified;
- in [Annex A](#), the statement related to a polar column recommended against an apolar column has been moved from typical chromatograms on the polar phase to typical chromatogram on the apolar phase;
- in [Annex A](#), the operating conditions and chromatograms obtained on the apolar phase have been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).