
**Essential oils — General guidance on
chromatographic profiles —**

Part 2:

Utilization of chromatographic profiles of
samples of essential oils

*Huiles essentielles — Directives générales concernant les profils
chromatographiques —*

*Partie 2: Utilisation des profils chromatographiques des échantillons
d'huiles essentielles*



Contents

Page

1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Standard matching solution	2
6	Apparatus	2
7	Performance of the apparatus	3
8	Preparation of test sample	4
9	Location of the representative and characteristic components	4
10	Checking the concentration of the representative and characteristic components	5
11	Expression of results	5
12	Test report	5

© ISO 1998

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 the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

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 3.

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.

International Standard ISO 11024-2 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

International Standard ISO 11024 consists of the following parts, under the general title *Essential oils — General guidance on chromatographic profiles*:

- *Part 1: Preparation of chromatographic profiles for presentation in standards*
- *Part 2: Utilization of chromatographic profiles of samples of essential oils*

This document is a preview generated by EVS

Essential oils — General guidance on chromatographic profiles —

Part 2:

Utilization of chromatographic profiles of samples of essential oils

1 Scope

This part of ISO 11024 describes general guidelines on the determination of the compliance of a chromatographic profile of a sample of essential oil under examination with the reference chromatographic profile given in the standard for that oil.

NOTE Refer also to ISO 11024-1¹⁾.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 11024. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 11024 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 356, *Essential oils — Preparation of test samples*.

ISO 7609, *Essential oils — Analysis by gas chromatography on capillary columns — General method*.

3 Terms and definitions

For the purposes of this part of ISO 11024, the following terms and definitions apply.

3.1

representative components

components present in all of the samples of the essential oil involved, whether major or minor ones

EXAMPLE Geranyl formate, isomenthone, citronnellal, geraniol, etc. in the essential oil of geranium.

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