
**Aromatic extracts, flavouring and
perfuming compounds — Determination of
ethanol content — Gas chromatographic
method on packed and capillary columns**

*Extraits aromatiques et compositions aromatisantes et parfumantes —
Détermination de la teneur en éthanol — Méthode par chromatographie en
phase gazeuse sur colonne remplie et sur colonne capillaire*



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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.

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

International Standard ISO 17494 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

Annexes A and B of this International Standard are for information only.

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Introduction

Since the description of methods of analysis by gas chromatography is very long, it was considered useful to establish general methods giving detailed information on all the recurrent parameters, apparatus, products, methods, formulae, etc., and also to establish standards with brief details of the determination of specific constituents in essential oils, giving only those operating conditions specific to the pertinent determination.

This is the case with the present International Standard, which refers to the general standards ISO 7359 and ISO 7609.

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Aromatic extracts, flavouring and perfuming compounds — Determination of ethanol content — Gas chromatographic method on packed and capillary columns

1 Scope

This International Standard describes a method for determining the ethanol content in aromatic extracts and flavouring and perfuming compounds by gas chromatography, either on a packed column or a capillary column.

The method is applicable to those products having presumed ethanol contents over 0,5 %.

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 760, *Determination of water — Karl Fischer method (General method)*

ISO 7359, *Essential oils — Analysis by gas chromatography on packed columns — General method*

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

3 Term and definition

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

3.1

aromatic extracts, flavouring and perfuming compounds

liquid or diluted aromatic products, with the exclusion of dry aromatic substances (such as spices)

4 Principle

Aromatic extracts and flavouring and perfuming compounds are analysed by gas chromatography, either on a packed column or a capillary column, under specified conditions.

Their ethanol content is determined using the internal standard method.