

INTERNATIONAL
STANDARD

ISO
11016

First edition
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**Oil of star anise, Chinese type (*Illicium
verum* Hook. f.)**

Huile essentielle de badiane, type Chine (Illicium verum Hook. f.)



Reference number
ISO 11016:1999(E)

Foreword

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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 11016 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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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

Oil of star anise, Chinese type (*Illicium verum* Hook. f.)

1 Scope

This International Standard specifies certain characteristics of oil of star anise¹⁾, Chinese type (*Illicium verum* Hook. f.) in order to facilitate assessment of its quality.

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

ISO 1041, *Essential oils — Determination of freezing point.*

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 apply.

3.1

oil of star anise, Chinese type

essential oil obtained by steam distillation of the fruit and leaves of *Illicium verum* Hook. f., of the Magnoliaceae family, cultivated mainly in South China

4 Requirements

4.1 Appearance

Clear liquid or crystalline mass.

4.2 Colour

Colourless to light yellow in the liquid state.

4.3 Odour

Characteristic, reminiscent of anethole.

4.4 Relative density at 20 °C, d_{20}^{20}

Minimum: 0,979

Maximum: 0,985

4.5 Refractive index at 20 °C

Minimum: 1,553 0

Maximum: 1,556 0

¹⁾ In French "Badiane" is the usual commercial name for this essential oil. As "badiane" is only the fruit and the essential oil is obtained from the fruit and part of the leaves, it would be more accurate in French to call it "Badianier".