
International Standard



3516

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Oil of coriander

Huile essentielle de coriandre

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3516 was developed by Technical Committee ISO/TC 54, *Essential oils*, and was circulated to the member bodies in November 1979.

It has been approved by the member bodies of the following countries :

Austria	Italy	Romania
Canada	Netherlands	South Africa, Rep. of
France	Philippines	Spain
India	Portugal	

No member body expressed disapproval of the document.

Oil of coriander

1 Scope and field of application

This International Standard specifies certain characteristics of oil of coriander, with a view to facilitating the assessment of its quality.

2 References

ISO/R 210, *Essential oils — Packing.*

ISO/R 211, *Essential oils — Labelling and marking containers.*

ISO 212, *Essential oils — Sampling.*

ISO 279, *Essential oils — Determination of relative density at 20 °C (Reference method).*¹⁾

ISO 280, *Essential oils — Determination of refractive index.*

ISO 592, *Essential oils — Determination of optical rotation.*²⁾

ISO 709, *Essential oils — Determination of ester value.*

ISO 875, *Essential oils — Evaluation of miscibility with ethanol.*³⁾

ISO 1242, *Essential oils — Determination of the acid value.*

ISO 3794, *Essential oils (containing tertiary alcohols) — Estimations of free alcohols content by determination of ester value after acetylation.*

3 Definition

oil of coriander : The oil obtained by steam distillation from the fruits of *Coriandrum sativum* Linnaeus.

1) At present at the stage of draft. (Revision of ISO/R 279.)

2) At present at the stage of draft. (Revision of ISO/R 592.)

3) At present at the stage of draft. (Revision of ISO/R 875.)

4 Requirements

4.1 Appearance

Clear, mobile liquid.

4.2 Colour

Almost colourless to pale yellow.

4.3 Odour

Characteristic, spicy, recalling that of linalol.

4.4 Relative density at 20/20 °C

Minimum : 0,862

Maximum : 0,878

4.5 Refractive index at 20 °C

Minimum : 1,462 0

Maximum : 1,470 0

4.6 Optical rotation at 20 °C

Range from + 5° to + 13°

4.7 Miscibility with 65 % (V/V) ethanol at 20 °C

The miscibility with 65 % (V/V) ethanol at 20 °C shall be 8 volumes in 1 volume of essential oil to give a clear solution. No turbidity or opalescence shall appear on the further addition of the solvent.

4.8 Acid value

Maximum : 3,0