
INTERNATIONAL STANDARD



3756

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

Oil of cubeb

Huile essentielle de cubèbe

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Descriptors : essential oils, cubeb, specifications, physical properties, optical properties, chemical properties.

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 3756 was drawn up by Technical Committee ISO/TC 54, *Essential oils*, and was circulated to the Member Bodies in September 1975.

It has been approved by the Member Bodies of the following countries :

Belgium	India	Spain
Canada	Netherlands	Turkey
France	Portugal	
Germany	South Africa, Rep. of	

No Member Body expressed disapproval of the document.

Oil of cubeb

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies certain characteristics of oil of cubeb 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/R 279, *Determination of the density and relative density of essential oils.*

ISO/R 280, *Determination of the refractive index of essential oils.*

ISO 592, *Essential oils – Determination of optical rotation.*¹⁾

ISO/R 709, *Determination of ester value and calculation of ester content of essential oils.*

ISO 1242, *Essential oils – Determination of acid value.*

3 DEFINITION

oil of cubeb : The oil obtained by steam distillation of the dried ripe fruits of *Piper cubeba* Linnaeus filius.

4 SPECIFICATION

4.1 Appearance

Clear mobile liquid.

4.2 Colour

Pale yellow to bluish green, with sometimes a bluish fluorescence.

4.3 Odour

Characteristic, spicy.

4.4 Relative density at 20/20 °C

Minimum : 0,906

Maximum : 0,930

4.5 Refractive index at 20 °C

Minimum : 1,492 0

Maximum : 1,502 0

4.6 Optical rotation at 20 °C

Range – 43° to – 20°

4.7 Acid value

Maximum : 1,0

4.8 Ester value

Minimum : 2,0

Maximum : 5,6

5 SAMPLING

See ISO 212.

Minimum volume of final sample : 25 ml.

6 METHODS OF TEST

6.1 Relative density at 20/20 °C

See ISO/R 279.

6.2 Refractive index at 20 °C

See ISO/R 280.

6.3 Optical rotation at 20 °C

See ISO 592.

6.4 Acid value

See ISO 1242.

6.5 Ester value

See ISO/R 709.

7 PACKING, LABELLING AND MARKING

See ISO/R 210 and ISO/R 211.

¹⁾ At present at the stage of draft. (Revision of ISO/R 592-1967.)