
INTERNATIONAL STANDARD



3757

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

Oil of patchouli

Huile essentielle de patchouli

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[ISO 3757:1978](#)

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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 3757 was developed by Technical Committee ISO/TC 54, *Essential oils*, and was circulated to the member bodies in August 1977.

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

Canada
Chile
Egypt, Arab Rep. of
France
Germany

India
Ireland
Italy
Netherlands
Portugal

ISO 3757:1978
South Africa, Rep. of
Thailand
Turkey
U.S.S.R.

The member body of the following country expressed disapproval of the document on technical grounds :

Austria

Oil of patchouli

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies certain characteristics of oil of patchouli, 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 280, *Essential oils – Determination of refractive index.*

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

ISO 709, *Essential oils – Determination of ester value.*¹⁾

ISO 875, *Essential oils – Evaluation of miscibility with ethanol.*²⁾

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

3 DEFINITION

oil of patchouli : The oil obtained by steam distillation of the dried and non-fermented leaves of *Pogostemon cablin* (Blanco) Bentham of Malaysia, Indonesia, China, Brazil, Africa and U.S.S.R.

4 REQUIREMENTS

4.1 Appearance

Liquid, more or less viscous.

4.2 Colour

Reddish-brown to greenish-brown.

4.3 Odour

Characteristic, leafy, slightly camphoraceous.

4.4 Relative density at 20/20 °C

Minimum : 0,955

Maximum : 0,983

4.5 Refractive index at 20 °C

Minimum : 1,505 0

Maximum : 1,512 0

4.6 Optical rotation at 20 °C

Range – 66° to – 40° (exceptionally, to – 32°).

4.7 Miscibility with 90 % (V/V) ethanol, at 20 °C

The miscibility with 90 % (V/V) ethanol at 20 °C shall be 1 volume in 10 volumes to give a clear solution.

4.8 Acid value

Maximum : 4,0

4.9 Ester value

Maximum : 10

5 SAMPLING

See ISO 212.

Minimum volume of final sample : 20 ml.

6 METHODS OF TEST

6.1 Relative density at 20/20 °C

See ISO/R 279.

1) At present at the stage of draft. (Revision of ISO/R 709.)

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

ISO 3757-1978 (E)

6.2 Refractive index at 20 °C

See ISO 280.

6.3 Optical rotation at 20 °C

See ISO 592.

6.4 Miscibility with 90 % (V/V) ethanol at 20 °C

See ISO 875.

6.5 Acid value

See ISO 1242.

6.6 Ester value

See ISO 709.

7 PACKING, LABELLING AND MARKING

See ISO/R 210 and ISO/R 211.

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