INTERNATIONAL STANDARD 3761

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

Oil of rosewood, Brazil

Huile essentielle de bois de rose du Brésil

First edition — 1976-08-15

UDC 668.525.56.004.1

Ref. No. ISO 3761-1976 (E)

Descriptors : essential oils, rosewood, materials specifications, physical properties, optical properties, chemical properties, sensorial properties.

Price based on 2 pages

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 3761 was drawn up by Technical Committee ISO/TC 54, *Essential oils*, and was circulated to the Member Bodies in March 1975.

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

Belgium	India	South Africa, Rep. of
Canada	Italy	Spain
France	Netherlands	Thailand
Germany	Portugal	U.S.S.R.

No Member Body expressed disapproval of the document.

Printed in Switzerland

Oil of rosewood, Brazil

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies certain characteristics of oil of rosewood, Brazil, 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 875, *Determination of solubility of essential oils in ethanol.*

ISO 3794, *Essential oils (containing tertiary alcohols) – Estimation of free alcohols content by determination of ester value after acetylation.*[2)]

3 DEFINITION

oil of rosewood, Brazil : The oil obtained by steam distillation of the wood of *Aniba rosaeadora* A. Ducke var. *amazonica* A. Ducke and/or *Aniba parviflora* (Meissner) Mez.

4 REQUIREMENTS[3)]

4.1 Appearance

Clear mobile liquid.

4.2 Colour

Almost colourless to pale yellow.

4.3 Odour

Characteristic, sweet, recalling that of linalol.

4.4 Relative density at 20/20 °C

Minimum : 0,872

Maximum : 0,887

4.5 Refractive index at 20 °C

Minimum : 1,462 0

Maximum : 1,468 0

4.6 Optical rotation at 20 °C

Range – 4° to + 5°

4.7 Solubility in 60 % (*V/V*) ethanol, at 20 °C

1 volume of the oil shall not require more than 5 volumes of 60 % (*V/V*) ethanol at 20 °C to obtain a clear solution.

4.8 Ester value after acetylation

Minimum : 250 – corresponding to 84 % alcohol content expressed as linalol.

Maximum : 270 – corresponding to 93 % alcohol content expressed as linalol.

5 SAMPLING

See ISO 212.

Minimum volume of final sample : 50 ml.

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

2) At present at the stage of draft.

3) It is intended to complete this International Standard at a later date by incorporating specifications for the determination of the residue from distillation under low pressure and for the determination of α-terpineol by gas chromatography once the applicable methods have been standardized.

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 Solubility in 60 % (*V*/*V*) ethanol, at 20 °C

See ISO/R 875.

6.5 Ester value after acetylation

See ISO 3794.

7 PACKING, LABELLING AND MARKING

See ISO/R 210 and ISO/R 211.