

INTERNATIONAL STANDARD

ISO 4724

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Oil of cedarwood, Virginian (*Juniperus virginiana* L.)

Huile essentielle de bois de cèdre, type Virginie (Juniperus virginiana L.)



Reference number
ISO 4724:2004(E)

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Foreword

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The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4724 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

This second edition cancels and replaces the first edition (ISO 4724:1984), which has been technically revised.

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Oil of cedarwood, Virginian (*Juniperus virginiana* L.)

1 Scope

This International Standard specifies certain characteristics of the oil of cedarwood, Virginian (*Juniperus virginiana* L.), in order to facilitate assessment of its quality.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 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 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

oil of cedarwood, Virginian

essential oil obtained by steam distillation of the wood of *Juniperus virginiana* L., of the Cupressaceae family, growing in the United States of America from the South Eastern part of Virginia to Eastern Texas

NOTE For information on the CAS number, see ISO/TR 21092.

4 Requirements

4.1 Appearance

Slightly viscous liquid, sometimes containing crystals.

4.2 Colour

Almost colourless to pale yellow.

4.3 Odour

Characteristic, warm and woody.

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

Minimum: 0,941 0

Maximum: 0,965 0

4.5 Refractive index at 20 °C

Minimum: 1,501 0

Maximum: 1,510 0

4.6 Optical rotation at 20 °C

Between -36° and -16° .