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Oil of geranium (*Pelargonium X ssp.*)

Huile essentielle de géranium (Pelargonium X ssp.)



Reference number
ISO 4731:2006(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 4731 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

This second edition cancels and replaces the first edition (ISO 4731:1978), which has been technically revised.

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Oil of geranium (*Pelargonium X ssp.*)

1 Scope

This International Standard specifies certain characteristics of the oil of geranium (*Pelargonium X ssp.*) coming from different pelargonium species commonly known as "pelargonium graveolens" with a view to facilitating 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 1242, *Essential oils — Determination of acid value*

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 geranium

essential oil obtained by steam distillation of the fresh or slightly withered herbaceous parts of *Pelargonium X ssp.*, which have given rise to differing ecotypes according to geographical regions

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

4 Requirements

4.1 Aspect

Clear, mobile liquid.

4.2 Colour

Various shades of amber yellow to greenish yellow.

For the Bourbon type: yellowish green to brownish green.

4.3 Odour

Characteristic of the origin, rose-like with a varying minty note.