
**Essential oil of neroli (*Citrus
aurantium* L., syn. *Citrus amara* Link,
syn. *Citrus bigaradia* Loisel, syn. *Citrus
vulgaris* Risso)**

*Huile essentielle de néroli bigaradier (Citrus aurantium L., syn. Citrus
amara Link, syn. Citrus bigaradia Loisel, syn. Citrus vulgaris Risso)*





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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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 3517 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

This third edition cancels and replaces the second edition (ISO 3517:2002), which has been technically revised.

Essential oil of neroli (*Citrus aurantium* L., syn. *Citrus amara* Link, syn. *Citrus bigaradia* Loisel, syn. *Citrus vulgaris* Risso)

1 Scope

This International Standard specifies certain characteristics of the essential oil of neroli (*Citrus aurantium* L., syn. *Citrus amara* Link, syn. *Citrus bigaradia* Loisel, syn. *Citrus vulgaris* Risso), cultivated principally in Tunisia, Morocco, and Egypt, 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 with ethanol*

ISO 1242, *Essential oils — Determination of acid value*

ISO 11024 (all parts), *Essential oils — General guidance on chromatographic profiles*

ISO 22972, *Essential oils — Analysis by gas chromatography on chiral capillary columns — General method*

3 Terms and definitions

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

3.1

essential oil of neroli

essential oil obtained by steam distillation or hydrodistillation of the flowers of *Citrus aurantium* L., syn. *Citrus amara* Link, syn. *Citrus bigaradia* Loisel, syn. *Citrus vulgaris* Risso, of the *Rutaceae* family

NOTE For information on the CAS number, see ISO/TR 21092.[2]

4 Requirements

4.1 Appearance

Clear mobile liquid.