
International Standard



4729

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Oil of pimento leaf [*Pimenta dioica* (Linnaeus) Merrill]

Huile essentielle de feuilles de piment type Jamaïque (Pimenta dioica (Linnaeus) Merrill)

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Foreword

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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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 4729 was prepared by Technical Committee ISO/TC 54, *Essential oils*.

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1 Scope and field of application

This International Standard specifies certain characteristics of oil of pimento leaf of Jamaica and India, 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 279, *Essential oils — Determination of relative density at 20 °C (Reference method).*

ISO 280, *Essential oils — Determination of refractive index.*

ISO 875, *Essential oils — Evaluation of miscibility in ethanol.*

ISO 1272, *Essential oils — Determination of phenols content.*

3 Definition

oil of pimento leaf: The oil obtained by steam distillation of the leaves of *Pimenta dioica* (Linnaeus) Merrill.

4 Requirements

4.1 Appearance

Mobile liquid.

4.2 Colour

Jamaica	India
Orange-yellow to dark brown	Orange-yellow to reddish brown

4.3 Odour

Jamaica	India
Characteristic, dry woody, recalling that of eugenol	Characteristic, dry woody, warm spicy aromatic odour reminiscent of clove leaf oil and crude eugenol

4.4 Taste

Spicy, warm and slightly burning.

4.5 Relative density at 20/20 °C

Minimum : 1,036

Maximum : 1,053

4.6 Refractive index at 20 °C

Minimum : 1,531 0

Maximum : 1,536 0

4.7 Miscibility in 70 % (V/V) ethanol at 20 °C

One volume of the essential oil should not require more than two volumes of 70 % (V/V) ethanol, at 20 °C, to give a clear solution.

4.8 Phenols content

Jamaica	India
Minimum ... 65 %	70 %

5 Sampling

See ISO 212.

Minimum volume of final sample : 50 ml