INTERNATIONAL STANDARD

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Oil of bitter fennel (*Foeniculum vulgare* Mill. ssp. *vulgare* var. *vulgare*)

Huile essentielle de fenouil amer (Foeniculum vulgare Mill. ssp. vulgare var. vulgare)



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Foreword

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ad Dreview Generaled by FLS

Inis document is a preview denetated by EUS

Oil of bitter fennel (Foeniculum vulgare Mill. ssp. vulgare var. vulgare)

1 Scope

This International Standard specifies certain characteristics of the oil of bitter fennel (*Foeniculum vulgare* Mill. ssp. *vulgare* var. *vulgare*), in order to facilitate assessment of is 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 packaging, conditioning and storage

ISO/TR 211, Essential oils — General rules for 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 592, Essential oils — Determination of optical rotation

ISO 875, Essential oils — Evaluation of miscibility in ethanol

ISO 1041, Essential oils — Determination of freezing point

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 bitter fennel

essential oil obtained by steam distillation, with or without subsequent rectification, of the fruits and aerial parts of *Foeniculum vulgare* Mill. ssp. *vulgare* var. *vulgare* of the Apiaceae family; some authors use the name *Foeniculum vulgare* Miller ssp. *vulgare* var. *amara*

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

4 Requirements

4.1 Appearance

rans-Anethole type	Phellandrene type
Clear liquid or crystalline mass	Mobile liquid

4.2 Colou

trans-Anethole type	Phellandrene type	
Colourless to pale yellow liquid	Pale yellow to intense yellow liquid	
(0		

4.3 Odour

trans-Anethole type	Phellandrene type
Characteristic, recalling that of anethole	Sweet, herbaceous, characteristic

4.4 Taste

Sweet with a bitter after-taste.