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Fennel Oil

DEFINITION

Fennel Oil is the volatile oil distilled with steam from the dried, ripe fruit of *Foeniculum vulgare* Mill. (Fam. Apiaceae).
[NOTE—If solid material has separated, carefully warm the Fennel Oil until it is completely liquefied, and mix before using.]

SPECIFIC TESTS

- [SPECIFIC GRAVITY \(841\)](#): 0.953–0.973
- [CONGEALING TEMPERATURE \(651\)](#): NLT 3°
- [OPTICAL ROTATION, Angular Rotation \(781A\)](#): +12° to +24°
- [REFRACTIVE INDEX \(831\)](#): 1.528–1.538 at 20°
- **SOLUBILITY IN 90% ALCOHOL**: 1 volume dissolves in 1 volume of 90% alcohol.

ADDITIONAL REQUIREMENTS

- **PACKAGING AND STORAGE**: Preserve in tight containers.
- **LABELING**: The label states the Latin binomial and, following the official name, the part of the plant source from which the article was derived. The label also states that if solid material has separated, carefully warm Oil until it is completely liquefied, and mix before using.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
FENNEL OIL	Nam-Cheol Kim Scientific Liaison	BDSHM2020 Botanical Dietary Supplements and Herbal Medicines

Chromatographic Database Information: [Chromatographic Database](#)

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