

TECHNICAL DATA SHEET (TDS)
STAR ANISE OIL
(Illicium Verum Fruit Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Star Anise Oil
INCI Name	Illicium Verum Fruit Oil
Origin	China / Vietnam
CAS Number	84650-13-5 / 8007-70-3
EINECS No.	283-518-1
Description	100% Pure and Natural essential oil obtained by steam distillation of dried star-shaped fruits of Illicium verum Hook. f.

2. TECHNICAL & SENSORY PROPERTIES

Appearance & Color	Clear liquid (tends to crystallize/solidify below 15°C)
Color	Colorless to pale yellow
Odor Profile	Sweet, warm, spicy licorice scent characteristic of anethole
Main Active Component	trans-Anethole min 85.0%
Density (20°C)	0.970 – 0.992 g/cm ³
Refractive Index (20°C)	1.552 – 1.562
Optical Rotation (20°C)	-2.0° to +2.0°
Congeeing Point	Min. 15.0°C

3. APPLICATIONS & RECOMMENDED USES

Flavor & Food Industry	Widely used in confectionery, liqueurs (Ouzo,
-----------------------------------	---

	Sambuca, Absinthe), oral care (toothpaste, mouthwash), and baked goods.
Pharmaceuticals & Oral Care	Provides active licorice flavor and soothing digestive/carminative properties in pharmaceutical syrups and lozenges.
Fragrance & Cosmetics	Adds a sweet, spicy top-to-middle note in soaps, perfumery, and male grooming cosmetics.
Recommended Dosage	Oral Care / Flavors: 0.01% – 0.2%; Fine Fragrance / Cosmetics: 0.05% – 0.5%.

4. STORAGE, PACKAGING & HANDLING

Packaging Options	1 kg and 5 kg aluminium containers; 25 kg HDPE containers., 200 kg Galvanized Steel Drums, ISO Tank Containers
Storage Conditions	Store in well-sealed, full containers in a cool, dry, dark area away from heat and direct sunlight.
Special Handling Note	May solidify/crystallize below 15°C due to high anethole content. Gently warm to 20–25°C and mix well prior to use.
Shelf Life	36 months when stored properly in unopened original containers.
Safety & Handling	Combustible liquid. Avoid contact with skin and eyes in concentrated form.

Disclaimer: The information provided in this document is correct to the best of our knowledge, information, and belief at the date of its publication. It is provided as a general specification for quality control and handling purposes only.