

## TECHNICAL DATA SHEET

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### 1. Product identification.

- Product name: STAR ANISE OIL.
- Synonym(s): N/A.
- Botanical name: Illicium verum Hook. f.
- Origin: Vietnam.

### 2. Availability.

- Botanical harvest: October to December.
- Product Availability: All year round.
- Annual capacity: 100MT.

### 3. Processing method.

- Manufacturing: Steam distillation from Illicium verum Hook. f.'s leaves and flowers.

### 4. Classification.

- CAS: 84650-59-9.
- EC Number: 283-872-7.
- FEMA-GRAS: 2096.

### 5. Physical analysis and chemical analysis.

- Appearance: Liquid or crystalline, colourless to pale yellow on liquid
- Odour: Characteristic, anethol like.
- Solubility: Soluble in ethanol.
- Assay: Not less than 86% trans-Anethole.  
Not more than 1,0% cis-Anethole.
- Refractive index: 1.553 to 1.556 @ 20°C.
- Specific gravity: 0.979 to 0.985 @ 20°C.

### 6. Compliance with international standards.

- Council Regulation (EC) No 1997/2006.
- Directive 2001/18/EC.
- Commission Regulation (EC) No 1881/2006.
- Commission Regulation (EC) No 1334/2008.
- OSHA Hazard Communication Standards, 29 CFR 1910.1200.
- US Code of Federal Regulations Title 21, 21 CFR 182.60.

### 7. Storage conditions.

- Handling: Avoid breathing dust/fume/gas/mist/vapours/spray.
- Storage conditions: In tightly closed containers, cool & dry place protected from direct light.
- Packing: 200KGS/30KGS per HDPE Drum.
- Shelf life: 24 months from manufacturing date.

### 8. Potential applications.

- Recommended use: Concentrated aromatic and flavour.
- Restriction on use: For manufacturing use only.