

TECHNICAL DATA SHEET (TDS)
CASSIA LEAF OIL
(Cinnamomum Cassia Leaf Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Cassia Leaf Oil
INCI Name	Cinnamomum Cassia Leaf Oil
Origin	Vietnam / China
CAS Number	8007-80-5 / 84961-46-6
EINECS No.	284-635-0
Description	100% Pure and Natural essential oil obtained by steam distillation of fresh leaves and twigs of Cinnamomum cassia.

2. TECHNICAL & SENSORY PROPERTIES

Appearance & Color	Clear, mobile liquid; Yellowish-brown to reddish-brown
Odor Profile	Warm, intensely spicy, sweet balsamic cinnamon odor
Main Active Component	trans-Cinnamaldehyde (75.0% – 85.0%)
Density (20°C)	1.050 – 1.070 g/cm ³
Refractive Index (20°C)	1.600 – 1.614
Optical Rotation (20°C)	-1.0° to +1.0°

3. APPLICATIONS & RECOMMENDED USES

Flavor & Fragrance	Extensively used as a warm spicy note in fine fragrances, soaps, candles, and flavorings for confectionery and beverages.
Aromatherapy	Known for its warming, stimulating, and uplifting aromatherapeutic properties.
Pharmaceutical & Hygiene	Utilized in dental care preparations, mouthwashes, and warming liniments for its antimicrobial properties.
Recommended Dosage	Fragrance applications: 0.1% – 1.5%; Flavor formulations: As per quantum satis regulations.

4. STORAGE, PACKAGING & HANDLING

Packaging Options	1-5kg aluminum bottle, 25 kg HDPE Drums, 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 ignition sources.
Shelf Life	36 months when stored properly in unopened original containers.
Safety & Handling	Skin sensitizer in pure form. Wear protective gloves and eye protection during bulk handling.

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