

TECHNICAL DATA SHEET (TDS)
CASSIA BARK OIL
(Cinnamomum Cassia Bark Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Cassia Bark Oil
INCI Name	Cinnamomum Cassia Bark Oil
Botanical Name	Cinnamomum cassia (L.) J. Presl (syn. Cinnamomum aromaticum Nees)
CAS Number	8007-80-5 / 84961-46-6
Description	100% Pure and Natural essential oil obtained by steam distillation of the bark of Cinnamomum cassia, of the Lauraceae family.

2. TECHNICAL & SENSORY PROPERTIES

Appearance	Clear, mobile liquid
Colour	Yellow to dark brown or reddish-brown
Odour	Characteristic intense, warm, spicy, sweet, and characteristic cinnamon-bark aroma
Relative Density (20/20°C)	1.045 – 1.065
Refractive Index (20°C)	1.600 – 1.614
Optical Rotation (20°C)	-1° to +2°
Cinnamaldehyde Content	Min 90%
Coumarin Content	Maximum 1.0%
Eugenol Content	Maximum 3.0%

3. APPLICATIONS & USES

Fragrance & Perfumery	Used in spicy, oriental, and autumn-themed fine fragrances, potpourri, soaps, and room sprays.
Flavour & Food Industry	Extensively utilized as a powerful flavoring agent in beverages, confectionery, bakery goods, and sauces.
Cosmetics & Personal Care	Incorporated into dental care products, mouthwashes, and warming body care formulations in highly diluted amounts.
Aromatherapy & Wellness	Valued for its deeply warming, stimulating, and comforting aromatic properties.

Industrial & Antimicrobial	Employed in agricultural and industrial formulations for its strong antimicrobial and antifungal properties.
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4. STORAGE, PACKAGING & SAFETY

Storage Conditions	Store in cool, dry place in tightly sealed containers, protected from heat, light, and air.
Packaging	1 kg and 5 kg aluminium containers; 25 kg HDPE containers.
Shelf Life	36 months when stored properly in unopened original containers.
Safety & Handling	Strong dermal irritant and sensitizer. Avoid direct contact with skin and eyes. Handle with protective gloves in well-ventilated areas.

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