

TECHNICAL DATA SHEET

Ajowan Essential Oil

Product Name: Ajowan Essential Oil

INCI Name: Trachyspermum ammi (Ajowan) Oil

CAS Number: 8001-99-8; 91745-13-0

Botanical Name: Trachyspermum ammi

Synonyms: Ajowan, Ajvini, Ajwain, Javane, Bishop's Weed, Carom, Trachyspermum ammi L., Sprague ex Turrill; Carum copticum; Trachyspermum copticum

Chemical Classification: Essential Oil

Functional Category: Fragrance Ingredient

Description: 100% pure, natural essential oil obtained by steam distillation of the seeds of Trachyspermum ammi. The oil is soluble in alcohol and fixed (carrier) oils but insoluble in water. The seeds contain approximately 3–5% essential oil, of which about 50% consists of thymol, a naturally occurring compound recognized for its antimicrobial properties. The oil is soluble in alcohol and fixed (carrier) oils but insoluble in water.

Recommended Use: Used in aromatherapy, natural perfumery, cosmetics, and personal care formulations in accordance with IFRA (International Fragrance Association) standards.

Country of Origin: India

Olfactory Classification (Fragrance Note): Top Note

Stability and Storage: Store in a tightly closed container in a cool, dry place, protected from direct sunlight. If stored for more than 36 months, the quality should be evaluated before use.

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Precautions: Before using any essential oil for the first time, it is recommended to perform a patch test to determine individual sensitivity. This precaution is advised due to the possibility of allergic or hypersensitivity reactions. Dilute 1–2 drops of the essential oil in 5 mL of a carrier oil (such as olive oil or sweet almond oil) and apply the mixture to the inner forearm. Observe the area for any signs of irritation before further use.

