

TECHNICAL DATA SHEET (TDS)
PATCHOULI OIL
(Pogostemon Cablin Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Patchouli Oil
INCI Name	<i>Pogostemon Cablin Leaf Oil</i>
Botanical Name	<i>Pogostemon cablin</i> (Blanco) Benth.
CAS Number	8014-09-3
EINECS No.	282-493-4
Description	100% Pure and Natural essential oil obtained by steam distillation of the dried leaves of <i>Pogostemon cablin</i> (Blanco) Benth.

2. TECHNICAL & SENSORY PROPERTIES

Appearance	Liquid, more or less viscous
Colour	Reddish-brown to greenish-brown
Odour	Characteristic, leafy, slightly camphoraceous
Relative Density (20/20°C)	0.955 – 0.983
Refractive Index (20°C)	1.5050 – 1.5120
Optical Rotation (20°C)	–66° to –40° (exceptionally to –32°)
Miscibility with 90% (V/V) Ethanol (20°C)	1:10
Acid Value	Maximum 4.0
Ester Value	Maximum 10.0

3. APPLICATIONS & USES

Fragrance & Perfumery	A key ingredient in perfumes and cosmetics, valued for its rich, earthy scent and exceptional fixative properties that enhance fragrance longevity.
Cosmetics & Personal Care	Incorporated into skincare products for its anti-inflammatory and antimicrobial properties. Used in soaps, lotions, and hair care formulations.
Aromatherapy & Wellness	Known for its calming properties; used in essential oil blends and diffusers to promote relaxation and reduce stress.
Natural Insect Repellent	Its strong aroma acts as a natural deterrent against insects, making it popular in eco-friendly pest control products.
Traditional Medicine	Used in herbal remedies for its purported antifungal and

	antiseptic properties.
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4. STORAGE, PACKAGING & SAFETY

Storage Conditions	Store in tightly sealed original containers in a cool, dry, well-ventilated area away from heat sources and protected from light. Keep air contact to a minimum.
Packaging	Glass, lacquer-lined steel/tin, and aluminium containers are suitable.
Shelf Life	36 months when stored within advised conditions.
Safety & Handling	Apply good manufacturing practice and industrial hygiene practices. Ensure proper ventilation. Avoid breathing product vapour. Avoid all skin contact; use chemically resistant gloves and safety glasses.

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