

Ethically Sourced Ingredients

INDIAN SANDALWOOD CO2 SELECT EXTRACT

Suitable for beauty and personal care applications.

INCI: Santalum Album (Sandalwood) Extract

Extraction Method: CO2 Supercritical Extraction

Shelf Life: 8 Years

Origin: India

Background:

Typically known as Indian or East Indian Sandalwood, *Santalum album* is the most revered and prized species of Sandalwood due to the beautifully exquisite aroma of its heartwood and its historical significance in perfumery. It belongs to the *Santalaceae* plant family. The heartwood is thought to be one of the first aromatics used by mankind. Known for its deep, sultry aroma, the heartwood and its essential oil have been used throughout history for its spiritual, emotional, therapeutic and fragancing applications.

Praan Naturals premium quality Indian Sandalwood CO2 Select Extract is obtained by pressurized supercritical fluid extraction using carbon dioxide as the solvent. This method effectively extracts the beneficial lipophilic constituents present in the aromatic heartwood. The CO2 supercritical extraction process is superior to steam distillation because it exposes the extract to far less heat during production than hydro or steam distillation, leading to a reduced risk of oxidation and a much more prolonged and stable shelf life. Once the extraction process is complete, the CO2 dissipates back into a gaseous state. Unlike hexane and other solvent extraction processes, no trace of solvent remains in extracts produced by CO2 supercritical extraction methods.

Ethical and Sustainable Sourcing:

Due to its immense desirability, Indian Sandalwood had been excessively harvested to the point that it was at critical risk of endangerment. To combat the significant threat to these magnificent trees, the Indian Government Forestry Departments oversee the sale of all sandalwood. The heartwood used in the production of our Sandalwood CO2 Select Extract are all from *Santalum album* trees that are 60-100 years old and that have fallen naturally. Our manufacturing partner sources sandalwood heartwood that has been sustainably cultivated and purchased through the Forestry Departments of India.



Properties:

- Deep, Woody Sandalwood Aroma
- Fluid Consistency at Room Temperature
- Can Be Used Similarly to Sandalwood Essential Oil
- Opaque, Golden-Yellow Hue
- Free of Alcohol and Solvents
- Stable Shelf Life
- Contains Over 78% Sesquiterpenols Including 40% alpha-Santalol and 20% beta-Santalol
- See the GC/MS Analysis for Composition Data

Uses:

Although slightly thicker in viscosity than its essential oil counterpart, Praan Naturals Indian Sandalwood CO2 Select Extract can be used similarly to the essential oil. The aroma is richly fragrant and captures the full, deep, sweet, woody aroma of the precious heartwood. Indian Sandalwood CO2 Select Extract is abundant in Santalols (sesquiterpenols) that are highly beneficial in skin care and wellness applications. Indian Sandalwood CO2 Select Extract also makes a beautiful perfumery fixative and addition to your finest fragancing formulations.

Indian Sandalwood CO2 Select Extract is Well Suited for the Following Personal Care Applications:

- Skin Care
- Hair Care
- Cosmetics
- Fragrance
- Aromatherapy
- Emotional and Physical Wellness

Recommended Usage: 1-2%

Standard Packaging: Available in aluminum canisters.



For more information on Praan Naturals premium quality Indian Sandalwood CO2 Select Extract and other certified organic and conventional CO2 Supercritical Extracts, visit PRAANNaturals.com or call our Customer Care department at (800) 340-0080 or (203) 702-2500.

Natural Sourcing, LLC • 341 Christian Street, Oxford, CT 06478

Phone: (203) 702-2500 • Toll Free: (800) 340-0080 • Fax: (203) 702-2501 • Web: www.PRAANNaturals.com • Email: info@PRAANNaturals.com

Praan Naturals® and From Nature With Love® are Registered Trademarks of Natural Sourcing, LLC

PROUDLY SERVING YOU SINCE 1997