



100% Pure Australian Sandalwood Oil

Santalum spicatum

Aroma:

Soft, sweet, woody, with powdery dry down notes of a tenacious quality. Similar in aroma to Indian Sandalwood as both contain alpha and beta santalol, the components that give Sandalwood its distinct scent.

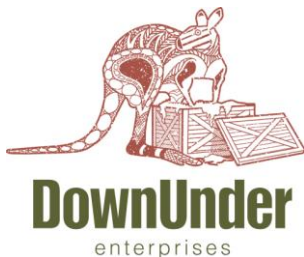
Common Name(s):

West Australian Sandalwood, Spike Sandal



Therapeutic Properties:

Research has shown WA Sandalwood to be effective against the following microbes: Staphylococcus epidermis, S. aureus, MRSA, S. saprophyticus, S. pyogenes, S. dysgalaciae, Pneumococcal, Arcanobacterium haemolyticum, Legionella pneumophila, Propionibacterium acnes, Acinetobacter calcoaceticus, Candida albicans and Saccharomyces cerevisiae. Research by Sydney University has shown that WA Sandalwood has antiinflammatory properties in-line with the traditionally used East Indian Sandalwood. Antiinflammatory properties have been attributed to alpha-bisabolol and the WA Sandalwood contains higher amounts of alpha-bisabolol (5-10%) than East Indian Sandalwood Oil. S. spicatum also contains beta-santalene (generally less than 1%), another component that has demonstrated anti-inflammatory properties. It is especially suited to the treatment of hot, red skin conditions such as eczema, psoriasis, rash or other inflammation. It has a long historic association with the treatment of urinary tract infections. It is astringent and helps resolve respiratory congestion, and is especially useful when soothing, demulcent effects are required, such as in chronic bronchitis involving dry cough. It is also a lymphatic decongestant, specific for stasis such as varicose veins and swollen lymph nodes. It is historically used to cool the body when hot and agitated conditions can lead to headache, insomnia and nervous system problems.



Potential Product Applications:

Skincare	Personal Care	Medicinal	Household	Other
	Acne treatment	Dermatitis		Fragrance – perfumery, fixative in fragrance blends, harmonizer for other scents
	Dry and inflamed skin conditions	Eczema		Aromatherapy – stress reduction, meditation, relaxation, air diffusion
	Shave products	Psoriasis		
	Insect repellent and after-bite	Cold Sores		
	Massage oil	Herpes		
	Bath salts	Lice		
	Deodorant	Tick or other insect bites		
	Liniment	Nasal and respiratory congestion		

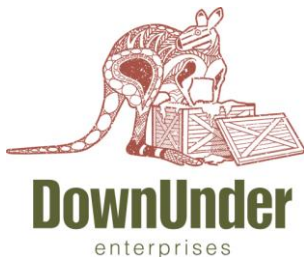
FDA Disclaimer:

These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure, or prevent any disease.

Major Chemical Constituents:

“If a comparison of the chemical constituents of West Australian (WA) Sandalwood Oil (*S. spicatum*) with East Indian Sandalwood (*S. album*) is made, both are extracted from the heartwood and rootball of the species and it can be seen that they are similar chemically, in that they both contain alpha and beta santalol. WA Sandalwood Oil contains higher levels of farnesol and alpha-bisabolol than East Indian oil. Both these compounds have been demonstrated to have antimicrobial and anti-inflammatory properties” (Webb).

Component:	Indicative Composition (%):
(Z)- α -santalol	15.0 – 25.0
epi- α -bisabolol	2.0 – 12.5
(Z)- α -trans-bergamotol	2.0 – 10.0
(E,E)-farnesol	2.5 – 15.0



epi- β -santalol	0.5 – 3.5
(Z) β -santalol	5.0 – 20.0
(Z)-nuciferol	2.0 – 15.0
(Z)-lanceol	1.0 – 10.0

Toxicology and Irritancy:

Oral Toxicity:	m/kg body weight:	Acute/Chronic:	
N/A	N/A	N/A	

Comments:

WA Sandalwood is a renewable resource and supply is assured. Due to the strict control by the WA Government the species is not endangered, unlike its East Indian counterpart. The quality of the oil is extremely high as it is processed at one factory under strict controls and supervision. The Australian Therapeutic Goods Administration has issued a license for the topical and inhalation use of WA Sandalwood Oil. It has a unique ability to harmonize with many other essential oils for rounding out the overall fragrance of a blend.

Indicative Use:

FOR EXTERNAL USE ONLY; NOT TO BE CONSUMED

Bibliography:

Battaglia, Salvatore. *The Complete Guide to Aromatherapy*; International Center for Holistic Aromatherapy, 2003; Brisbane, Australia.
 Schnaubelt, Kurt. *Medical Aromatherapy*; Frog Ltd, 1999. Berkeley, CA.
 Webb, Mark; *Bush Sense*; Griffin Press 2000; Adelaide, Australia.

About Down Under Enterprises:

Down Under Enterprises is a family owned business specializing in wholesale supply of Australian native ingredients including essential oils and carrier oils. Our products are 100% pure and natural and derive from plantations in Australia. They are available as conventional farmed, organic, and wild crafted. Each product has its unique therapeutic, antimicrobial, and aromatic benefits.