

| PRODUCT  | KEY INGREDIENTS                     |  | FUNCTION   |
|--|-------------------------------------|--|--|
|  <p><b>TAMANU</b><br/><i>Calophyllum inophyllum</i><br/>SEED KERNEL OIL<br/>Organic<br/>Vanuatu</p> | <p>ESSENTIAL FATTY ACIDS (EFAS)</p> | <p>Oleic acid (Omega-9)<br/>Linoleic acid (Omega-6)<br/>Palmitic acid<br/>Stearic acid</p> | <p>Omega fatty acids or essential fatty acids (EFAs) are natural penetration enhancers due to their fluidizing effect on cell membranes. Their physiological activities combined with their ability to increase transport of bioactive agents through the skin creates a synergistic effect with other nutrients. They are also critical in the formation of prostaglandin (PGE) which acts as a natural anti-inflammatory healing agent and is essential in cellular membrane health and tissue regeneration. Oleic acid balances sebum production, helps to repair tissue damage, promotes the production of antioxidants and improve skin condition. Linoleic acid is an antioxidant and anti-inflammatory agent effective in cell regulation and skin repair that has been shown to be beneficial in treating acne conditions. Palmitic and stearic acids are natural emollients helping reinforce the skin's healthy barrier function for a smoother surface. EFAs are responsible for improving moisture retention and keeping the skin softened, elastic and firm. They actively stimulate collagen synthesis to prevent skin aging and improve the structure, function and appearance of aged skin. The notable beneficial skin influences of EFAs make their inclusion in anti-aging skin care formulas valuable.</p> |
|  | <p>STEROLS</p>                      | <p>Stigmasterol<br/>Beta sitosterol<br/>Campesterol</p>                                    | <p>Sterols help prevent skin aging by promoting moisture retention as well as optimizing the function of the skin barrier. Sterols are important for healthy skin because they mimic the effects of cholesterol on the skin, whereby cholesterol is an important part of the skin's epidermal layer and contributes to overall skin health. Sterols have been shown to help prevent wrinkles and increase skin elasticity.</p>   |
|  | <p>ANTIBIOTICS</p>                  | <p>Canophyllol acid<br/>Lactones</p>   | <p>Canophyllol is a key antibiotic component of Tamanu oil along with several other synergistic compounds. The lactones Calophyllolide and Inophyllolide are antibiotic compounds that help prevent infection enabling rapid healing. Because of the powerful germicidal properties of Tamanu oil, it has been used successfully as a highly effective topical antibiotic to treat a wide variety of infections including: ringworm, athlete's foot, herpes, warts, infected wounds, acne, boils, jock itch and is widely used in the Pacific nappy rash preventative. Tamanu oil has been noted for its use as a natural deodorant as it neutralises the activity of body odour generating bacteria.</p>  |
|  | <p>ANTI-INFLAMMATORIES</p>          | <p>Coumarins<br/>Calophyllolide<br/>Caloxanthone E<br/>Friedelin</p>                       | <p>Coumarins are a group of phytonutrients that have anti-inflammatory properties which are valuable for healing. These important phytonutrients have been shown to be effective against HIV, tumours, anti hypertension, arrhythmia, osteoporosis, pain and asthma. Tamanu Oil can be used undiluted as a treatment for eczema, psoriasis, cuts and wounds or in cream and lotion formulations for general treatment of dry skin.</p>   |

## APPLICATIONS

skin infections & sores  
wounds & inflamed skin  
acne & acne scarring  
eczema, psoriasis  
rashes & dermatitis  
nerve & rheumatic pain  
dry & sun damaged skin  
UV protection  
premature aging skin  
wrinkles & scarring  
cracked heels

