

## Shorea Butter Research Paper

### APPEARS IN



Shorea Butter is a natural butter made from the fruits of Shorea stenoptera trees. Shorea trees grow in the Southeast Asian jungles of Malaysia, Sumatra, and Borneo. Shorea Butter is abundant in fatty acids, phytosterols, and triglycerides which make it an excellent emollient and skin-conditioning agent. Shorea Butter can be found in Three Ships uses this soothing butter in [Dream Bio-Retinol + Shorea Butter Night Cream](#).

### THESE FATTY ACIDS HELP TO MOISTURIZE THE SKIN LEAVING IT FEELING SOFT.

The chemical composition of Shorea butter is similar to that of cocoa butter. It contains high amounts of saturated fatty acids, such as palmitic (18-21%) and stearic (39-46%) acid, and the mono-unsaturated fatty acid oleic acid (34-37%). Stearic and palmitic acid are fatty acids found in plants and animals that provide emolliency which makes the skin feel soft and smooth. Oleic acid is an essential fatty acid that our bodies cannot produce. These fatty acids help to moisturize the skin leaving it feeling soft.



Shorea seeds are harvested from the jungle and boiled to remove the hard outer shell. Once cleaned, they are put through a process of mechanical extraction to release the crude fat. The crude fat is then bleached to remove any colour impurities, and reveal a brighter white colour. After the product is filtered and deodorized to remove any solid impurities that still remain, the refined Shorea Butter is then inspected for quality control and given final approval before being shipped and used in cosmetics. The exact process of extraction method for the Shorea Butter that Three Ships sources is proprietary information.

**SHOREA BUTTER IS A GREAT NATURAL  
EMOLLIENT THAT WORKS TO MOISTURIZE THE SKIN.**

Shorea Butter is an emollient, meaning it works as a moisturizing ingredient to smooth skin by supporting the skin's native lipid barrier. The lipid barrier is vital for skin health and acts as a wall to keep moisture in, as well as protect from external factors. Fatty acids are naturally present in the skin and make up part of the skin's lipid barrier. Palmitic acid increases the emolliency, stearic acid strengthens the lipid barrier, and oleic acid nourishes the skin. Oleic acid is also known to help facilitate wound-healing, exhibit anti-inflammatory properties, promote moisture retention in skin and hair, and help slow the look of aging by sustaining skin elasticity and softness.

**SCIENTIFIC STUDY**

Thermal-activated bleaching and acid-activated  
bleaching of Shorea stenoptera butter

This study analyzed the effects of two methods of bleaching on the acidity, iodine value, and peroxide values of Shorea stenoptera butter. Peroxide value is a measure of the rancidity of a lipid. Both methods of bleaching were able to effectively reduce the acidity of the butter. Acid-activated bleaching was more effective than thermal bleaching at reducing the peroxide number of the butter. A lower peroxide number indicates that it is more difficult to go rancid or oxidize. Therefore it is shown that bleached Shorea Butter is less prone to oxidation than crude butter.

Shorea Butter is a great natural emollient that works to moisturize the skin. It is rich in fatty acids, which nourish the skin and help support the skin's natural lipid barrier. This powerful moisturizing ingredient can be found in Three Ships products such as the Dream Night Cream.