

PRODUCT SPECIFICATION

Shorea (Sal) Butter - Ultra Refined

INCI Name = Shorea Robusta Seed Butter

Shorea (Sal) Butter has been obtained from the fruit of the Sal tree (Shorea Robusta) in India. From its fruit seeds the butter is extracted and further processed and refined to obtain a light colored butter which has a low odor and smooth, dense texture, suitable for cosmetics and toiletries. It contains mostly C18:0 and C18:1 fatty acids. Shorea Butter is solid at room temperature, but melts readily upon contact with the skin. It has physical properties similar to cocoa butter; however, it may be used in higher quantities to provide stable emulsions due to its uniform triglyceride composition, along with a high oxidative stability. Also exhibits excellent emolliency properties, softening effects and good spreadability on the skin.

Suggested uses: Lotions & Creams: 4-8% | Balms: 7-100% | Bar Soaps: 3-6% | Hair Conditioners: 3-7%

Efficacy: Exceptionally good oxidative stability due to very low content of polyunsaturated fatty acids. Prevents drying of the skin and development of wrinkles. Reduces degeneration of skin cells and restores skin flexibility.

Appearance	Light yellow solid fat
Iodine Value (Wijs)	34 - 43
Saponification Value:	178 - 192
Color (lovibond 1/4")	5.0 R maximum
% Free Fatty Acid:	0.50 maximum
Melting Point:	34 - 38°C

Typical	Acid Profile:	Rang %
Fatty		e
Palmitic	C16:0	4-7
Stearic	C18:0	41-47
Oleic	C18:1	37-43
Linoleic	C18:2	0-4
Arachidic	C20:0	3-9
Total Saturated		48-63
Total Monounsaturated		37-43
Total Polyunsaturated		0-4

The above specifications are offered in good faith, and are accurate to the best of our knowledge; however, no guarantee or warranties are offered or implied. It is recommended that your laboratories perform their own analysis to ensure that the product specifications and results meet your specific requirements, and those of your local and national governmental standards.