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SHEA BUTTER, SOLID (REFINED) **MATERIAL SPECIFICATIONS**

PRODUCT DESCRIPTION: Shea Butter is the fat obtained from the kernels of the shea tree (*Butyrospermum Parkii*), wild growing and cultivated in Sudan as well as in West Africa (Ghana, Nigeria and Mali). The kernels resemble as horse chestnut and contain 45 - 48 % fat, 10% protein and 25 - 30% carbohydrates. Shea Butter is gained by pressing selected kernels and subsequent mild refining (deacidification, bleaching, deodorization). A highly pure and remarkably light quality of solid consistency is obtained.

<u>PROPERTIES</u>	<u>TYPICAL ANALYSIS</u>
Density (40° C)	0,885 - 0,925
Refractive Index (40° C)	1,455 - 1,465
Acid value	max. 1,5
Iodine value	48 - 73
Saponification value	165 - 190
Melting point	28 - 42 °C
Colour Lovibond 5 1/4	max. 20y / 3 r

FATTY ACID COMPOSITION

Myristic acid	C 14:0	max. 0,5 %
Palmitic acid	C 16:0	3,0 - 9,0 %
Stearic acid	C 18:0	34,0 - 48,0 %
Oleic acid	C 18:1	38,0 - 50,0 %
Linoleic acid	C 18:2	3,0 - 8,0 %
Linolenic acid	C 18:3	max. 0,3 %
Arachidic acid	C 20:0	max. 2,5 %
Others		max. 2,0 %

SHELF LIFE: 24 Months

STORAGE: Light protected, not above room temperature, in tightly sealed containers

USAGE: Shea Butter is an excellent ointment base releasing medications faster than other well known bases. Up to 75% of the unsaponifiables consist of terpenic alcohols almost exclusively found as cinnamic acid esters explaining the healing properties and the fact that Shea Butter is well tolerated by the skin. Shea Butter can be used in many different applications, such as hair care products, hand cream, sun care, soaps, body lotions, baby care products and others.

This specification was developed with utmost care based on up-to-date information available, but should also be scrutinized by the recipient. It does not release him from checking the quality of goods delivered with proper diligence.

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