



SHEA BUTTER RBD

PRODUCT DATA SHEET



SHEA BUTTER is obtained from the mature nut of the Karite tree (*Butyrospermum Parkii*) found in the African Savannah.

SHEA BUTTER has been used for centuries in Africa for its ability to maintain and protect the skin from environmental damage and for cosmetic and food purposes.

Africans use **SHEA BUTTER** externally to protect the skin from sunburn, eczema and for its healing qualities in scalp and hair care. And it is used internally as a natural source of antioxidants and vitamin E.

SHEA BUTTER is part of the traditional pharmacopoeia of Senegal. It is recommended for sprain muscles and rheumatism.

The moisturizing and soothing properties of **SHEA BUTTER** are due to the high content and composition of the essential fatty acids, unsaponifiables and waxy esters. The unsaponifiable fraction is the most interesting part of **SHEA BUTTER** which is mainly composed of phenols: tocopherols, triterpenes, steroids and the polyisoprenic hydrocarbon kariten.

TECHNICAL DATA

Appearance:	Solid, pasty wax
Acidity index:	≤ 1.0 mg KOH/g oil
Peroxide value:	≤ 5.0 meq O ₂ /Kg oil
Unsaponifiables:	4 - 10 %

Fatty Acid	Composition
Stearic acid	38 - 43 %
Oleic acid	41 - 49 %
Linoleic acid	4 - 9 %



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SHEA BUTTER OSI: 5.08 hours (120°C) → 11.52 hours (110 °C)

ISO 6886 (1996) Animal and vegetable fats and oils

Determination of oxidation stability

Conditions

Sample amount 2.5 ± 0.01 g

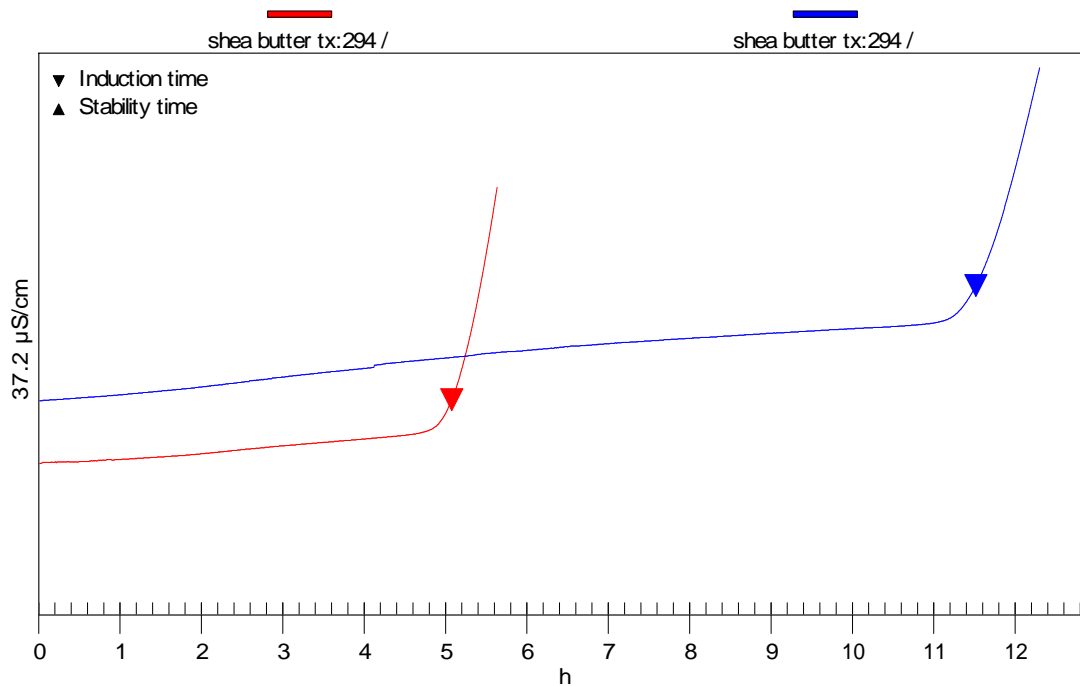
Temperature 100°C ± 0.2°C

Gas flow 20 L/h

Vessel: 50 mL distilled water

Evaluation Conductivity

Induction time (tangent method).



Red: determination at 120°C
Blue: determination at 110°C

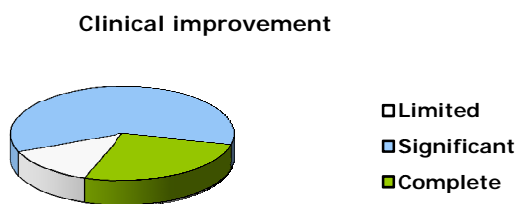
	Temperature/ °C	Induction time/h	Year
SHEA BUTTER TX000294	110	5.08	2.09
SHEA BUTTER TX000294	120	11.52	

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PROPERTIES

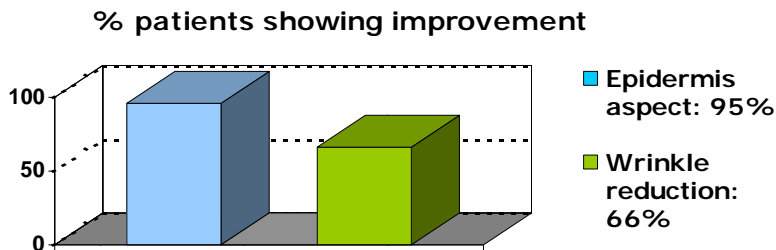
Some clinical studies recognize that **SHEA BUTTER** is not only an emollient, it's an active ingredient.

In a first clinical study¹ very good results were obtained for the treatment of dermatitis, where decongesting and anti-inflammatory actions have been observed.

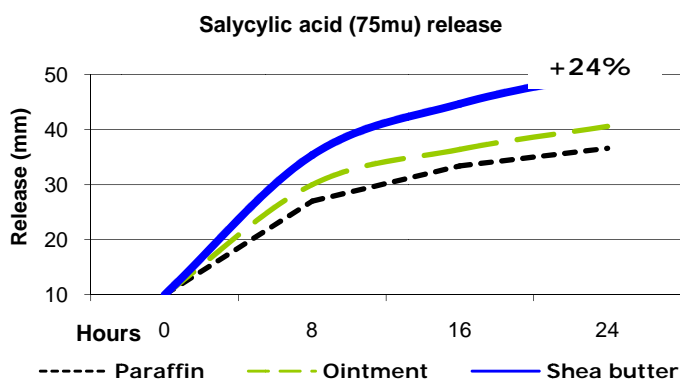


Shea butter clinically improves the appearance of wrinkled and atrophic skin among 87% volunteers.

A second clinical study² involved volunteers exhibiting major signs of cutaneous aging. **SHEA BUTTER** allowed in a few weeks a tangible improvement of the aspect of the epidermis with a smoother skin.



This improvement may be related to the high content of unsaponifiables, it has been demonstrated that they help in diminishing insoluble collagen and to synthesize new soluble collagen, also increasing the metabolism in the deep layers of the dermis.



SHEA BUTTER also helps to stabilize drugs in creams and ointments, and it releases such active ingredients more efficiently^{3,4}.

Studies have proven that **SHEA BUTTER** releases salicylic acid crystals more efficiently than ointment or paraffin.



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APPLICATIONS



Due to its unique fatty acid composition, **SHEA BUTTER** is a very attractive emollient for skin care applications.

SHEA BUTTER is highly regarded in the cosmetic field because of its high emolliency and moisturization capacities, but also as an occlusivity lipid replacement.

SHEA BUTTER is designed for all kinds of cosmetic products from rinse-off to leave-on, showing a great compatibility with all cosmetic ingredients.

Due to its richness in cinnamic acid and other components, **SHEA BUTTER** can be used in the formulation of sun products against UV rays, skin lotions and shampoos.

The unusually high content in unsaponifiables also makes **SHEA BUTTER** an excellent fatting agent in soap making.

INCI Name: Butyrospermum parkii butter
CAS No: 91080-23-8
EINECS No: 293-515-7

¹ Renard. PhD tesis Bordeaux (1990)

² Wepierre. Int. J. Cosm. Sci. 10, 15-21 (1988)

³ Konning. Pharm. Avta Helv. 49, 192-6 (1974)

⁴ Konning. J. Pharm. Sci. 67, 374-6 (1978)