



NATURA-TEC ABYSOFT™

PROPERTIES

NATURA-TEC ABYSOFT™ is an “intelligent” active that combines and enhances the benefits of Crambe Oil with the bio-active effects of Phytosterols.

Based on long chain triglycerides it presents a unique molecular structure. It contains long chain fatty acids and is concentrated in C22:1 fatty acids, making it highly resistant to oxidation. Due to its high molecular weight, it is more stable against heat.

NATURA-TEC ABYSOFT™ is miscible in most oil phases. It is non-irritant and acts directly on the epidermis to protect the cutaneous barrier by forming a thin film on the skin. It retains the vital balance of water to maintain skin in optimal conditions.

It has self-emulsification and co-emulsifying properties.

NATURA-TEC ABYSOFT™ creates a delicate film which imparts maximum comfort and suppleness to the skin. It leaves a protective veil like a second skin and provides excellent conditioning and protective effect on the hair.

NATURA-TEC ABYSOFT™ is an excellent moisturizing agent. It increases the hydration rate over 60% after 5 days and protects the cutaneous barrier.

It has the ability to improve pigment dispersion. It also acts on the substantivity and the intensity of the color on the skin providing a long-lasting effect.

Specific studies on hair application demonstrate that **NATURA-TEC ABYSOFT™** improves hair elasticity (+191% after 12 washing/treatment), increases hair brightness (+50% after 12 washing/treatment), and shows a strong conditioning effect (immediate effect on the increase of hair volume). **NATURA-TEC ABYSOFT™** displays significant levels of protection against damage induced by high temperature hair straighteners (180°C or 230°C) as well as colour protection against UV and sea water aggression.

NATURA-TEC ABYSOFT™ protects and maintains hair's natural vitality against both mechanical and environmental stress.

NATURA-TEC ABYSOFT™ naturally enhances sun care formulation performance. In vitro tests show SPF increases by 18.5% to 66.7% when added at 2% to 10%. It also improves the UVA/UVB ratio, upgrading protection from Good to Superior. In vivo tests confirm SPF boosts under real-use conditions, rising from 19 to 22,8 (+20%) and 25,8 (+35,7%) respectively by using 2 or 10%.

This ingredient supports cleaner, safer, and more eco-friendly formulations.

COSMETIC APPLICATIONS

Skin care (2 – 12%)	Anti-ageing and moisturising creams, daily cream
	Sun care and sunscreen, baby care products
Make up (2 – 15%)	Lipsticks, lipbalms, mascaras, foundations
Hair Care (0,5 - 5%)	Leave-on/rince-off conditioners, shampoos, scalp care
Foaming products (0,5 – 2%)	
Emulsifier free, PALM FREE formulations	

TECHNICAL DATA

Appearance:	Liquid
INCI	Crambe Abyssinica Seed Oil Phytosterol Esters