

EVOIL HYDRACARE LIGHTENING

PRODUCT DATA SHEET



EVOIL HYDRACARE LIGHTENING is a whitening oil not only reducing and preventing skin pigmentation, but also hydrating, protecting and nourishing skin with moisturizing and anti-aging agents.

Traditionally, skin depigmentation has been performed with chemical aggressive agents.

EVOIL HYDRACARE LIGHTENING has been formulated using TEXTRON knowledge

and experience, combining efficacy and care, avoiding drastic skin treatments causing side-effects.

EVOIL HYDRACARE LIGHTENING is based in natural plant oils and vegetable synergetic active principles leading to lightening and regenerating ability at a time. **EVOIL HYDRACARE LIGHTENING** active principles have been specially characterized and selected for thermal stability.

EVOIL HYDRACARE LIGHTENING makes a difference, provided that it is formulated on an oil basis, unlike most of water-based whitening products in the market, thus representing a valuable novelty.

TECHNICAL DATA

Appearance: Oily liquid, slightly fruity odour

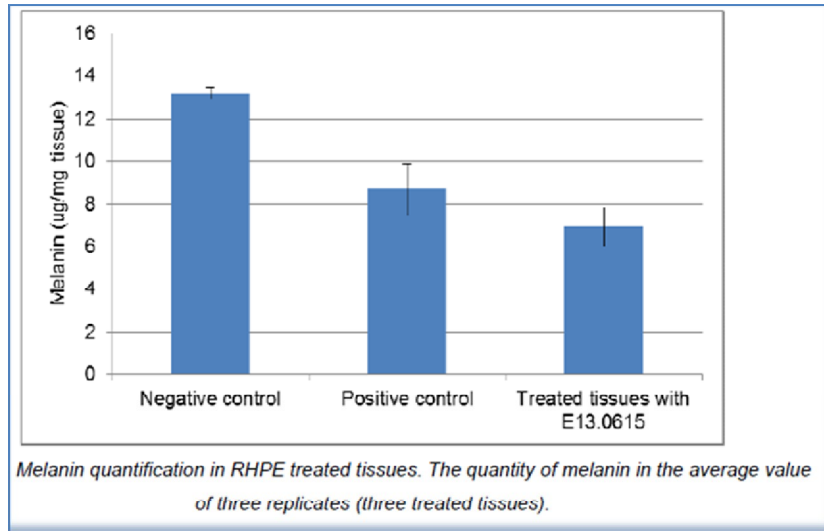
Parameter	
Acidity (mg KOH/g)	0.25-0.30
Peroxide value (meq O ₂ /Kg)	max. 14
Iodine Value	135-140
Saponification value	180-185
Density (20°C)	0.910-0.915
Oleic acid	40-42 %
Linoleic acid	29-30%

Patch test results: **NON-IRRITANT**

Semi-occluded patch, 11 volunteers, mixed, no specificity of the panel.



MELANIN REDUCTION



EVOIL HYDRACARE LIGHTENING under the *ex-vivo* test conditions:

- REDUCED A 47% OF MELANIN quantity versus the negative control.
- SHOWED WHITENING ACTIVITY at 100% concentration, when dosed 4 times.



APPLICATION

EVOIL HYDRACARE LIGHTENING can be applied directly or incorporated in oil-based creams and lotions, specially aimed at skin whitening and/or sun protection action. **EVOIL HYDRACARE LIGHTENING** is intended to formulate on an oil basis to create depigmentating and moisturising products at a time.

References:

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- Adhikari A, Devkota HP, Takano A, Masuda K, Nakane T, Basnet P, Skalko-Basnet N. 2008. Screening of Nepalese crude drugs traditionally used to treat hyperpigmentation: in vitro tyrosinase inhibition. *Int J Cosmet Sci.* Oct;30:353-60.
- Khanom F, Kayahara H, Tadasa K. 2000. Tyrosinase inhibitory activity of Bangladeshi indigenous medicinal plants. *Biosci Biotechnol Biochem.* Sep;64:1967-9.
- Huh S, Kim YS, Jung E, Lim J, Jung KS, Kim MO, Lee J, Park D. 2010. Melanogenesis inhibitory effect of fatty acid alkyl esters isolated from *Oxalis triangularis*. *Biol Pharm Bull.*;33:1242-5

EVOIL HYDRACARE LIGHTENING**CODE** 008433 **SPECIFICATION** **Nº** 00843301

PARAMETERS	SPECIFICATIONS	EDITION - 27/06/2013
Appearance	Oily liquid	
Odour	Slightly fruity	
Colour	Clear Yellow	
	Gardner 3,1	
	Lovibond 2,0 R + 31Y	
Acidity (mg KOH/g)	0.25 - 0.30	
Peroxide value (meq O ₂ /Kg)	max. 14	
Iodine value	135-140	
Saponification value	180-185	
Density (20°C)	0,910-0,915	
FATTY ACID		
Oleic acid	40-42%	
Linoleic acid	20-35%	

PACKING**REMARKS**
