

D42 : ANTI-AGE AT HIGH-PERFORMANCE



· Compact white emulsion

· Packaging: pot

· Anti-ageing efficacy of SEPILIFT™ DPHP (1%) proven by using a placebo and on the other hand an anti-ageing lipopeptid from the market (3%) after 42 days of treatment



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Formula

A	LANOL™ P	1,50 %
	MONTANOV™ 202	2,00 %
	MONTANOV™ 82	1,00 %
	Squalane	7,00 %
	Polyisobutene	13,00 %
	MONTANOX™ 60 DF	0,50 %
	Xanthan gum	0,15 %
	SEPILIFT™ DPHP	1,00 %
B	Aqua/Water	Up to 100 %
	Chlorphenesin	0,30 %
	Glycerin	5,00 %
C	SEIPLUS™ 400	1,00 %
D	SEPICIDE™ LD	0,70 %
	Parfum/Fragrance	0,10 %
	TEA 50%	Up to pH 5,5

Procedure

(pilot – trimix + rotor stator – 5 kg)

Combine Montanov™ + oils + Montanox™ + Sepilift™ DPHP together and heat them up to 80°C. When homogenous, add Xanthan Gum and mix with a spatula. Incorporate phase B ingredients (water+Glycerin) into the main vessel and heat them up to 80°C. Add Chlorphenesin into the aqueous phase and stir until homogenous. Incorporate the oil phase to the water phase while homogenizing. Cool down to 65°C and add Sepiplus™ 400. At 30°C add Sepicide™ LD and the fragrance. Cool down to 20°C and adjust the pH to 5.5 with the TEA.

Characteristics

Appearance	Compact white emulsion
pH	5,4
Viscosity at RT	147,000 mPa.s BROOKFIELD RV7 sp.5
Viscosity after 1 month at 45°C	63,500 mPa.s BROOKFIELD LV4 sp.6
Viscosity recovery at room temp.(after 1 month 45°C)	151,000 mPa.s BROOKFIELD RV7 sp.5
Stability	> M1 at RT et 45°C Stable after centrifugation 20' at 3000 rpm Stable after 18h at -18°C

Raw materials from SEPPIC

SEPILIFT™ DPHP

Dipalmitoyl Hydroxyproline

Plant-derived hydroxyproline "Lipovector", this product has anti-wrinkle (effectiveness proven in vivo), moisturizing and toning properties (contraction of the collagen fibers, protection of dermal fibers from enzymatic lysis and anti-free radical action). Sepilift™ DPHP has intrinsic emulsifying properties which provide a specific touch to the emulsion.

MONTANOV™ 202

Arachidyl Alcohol & Behenyl Alcohol & Arachidyl Glucoside

Glucolipid emulsifier in harmony with nature. It produces emulsions with a very light and evanescent touch, which confers an easy application and a quick penetration. Their matt effect prevents skin from glossy and fatty aspect.

MONTANOV™ 82

Cetearyl Alcohol and Coco-Glucoside

Glucolipid emulsifier in harmony with nature. Stable emulsions can be formulated with only 1% Montanov™ 82. Montanov™ 82 is especially well-suited for formulations with a high concentration of active ingredients. In combination with the other grades of the Montanov™ range, it can be used to modulate the texture and flexibility of the emulsions as desired. Montanov™ 82 is useful to obtain thick lotions with rich and smooth texture.

SEIPLUS™ 400

Polyacrylate-13 & Polyisobutene & Polysorbate 20

New generation of Hydro Swelling Droplets polymers, Sepiplus™ 400 is designed to be more resistant to electrolytes. It is compatible with a wide range of actives at pH 3 to 11. It allows a good pick-up and can be rubbed on easily. A thickening and emulsifying agent in a liquid form, ready prepared (neither predispersion nor neutralization).

LANOL™ P

Glycol Palmitate

Texturing agent which improves consistency and stability of the formula, and reduces the soaping effect.

SEPICIDE™ LD

Phenoxyethanol

Preservative

Other raw materials...

- Squalane vegetal: **PHYTOSQUALANE (SOPHIM)**
- Fragrance: **LIANE X018433 (QUEST)**
- Xanthan Gum: **KELTROL T (KELCO)**