

SEPPIC

EU07035B

ENERGIZING BODY MILK ENRICHED WITH OLIGO-ELEMENTS



- White and fluid O/W emulsion
- Packaging: pump-bottle

Montanov™ 82 + Montanov™ 202
+ Sepiplus™ 400

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Efficient, high-performance trio, for
formulating milks containing hydrophilic
actives enriched with ions



EU07035B - 0803

Formula

A	MONTANOV™ 82	1,00 %
	MONTANOV™ 202	1,00 %
	Paraffin Oil	5,00 %
	Pentaerythrityl Tetraethylhexanoate	10,00 %
	SEPICIDE™ HB	1,00 %
B	Aqua/Water	Up to 100 %
	Xanthan Gum	0,15 %
	SEIPLUS™ 400	1,00 %
C	GIVOBIO™ GMg	1,00 %
	GIVOBIO™ GZn	1,00 %
	Glycerin	5,00 %
D	Cyclopentasiloxane	5,00 %
E	Parfum/Fragrance	0,10 %

Procedure

(Pilot - DUMEK - 2kg)

Combine phase A ingredients together and heat up to 85°C. Weigh the water in the main vessel, start mixing and add the Xanthan gum. When the mixture is homogeneous add Sepiplus 400 while mixing. Start heating up to 85°C. Add phase C ingredients to the main batch while stirring. And then add the oily phase (A) into the vessel and homogenize. Start cooling down to 60°C. At this stage, add the silicone (phase D). Keep cooling down to 30°C and add the fragrance. Keep mixing until the batch is at room temperature.

Characteristics

Appearance	Thin white emulsion
pH	5.5
Viscosity at room temp	6,600 mPa.s BROOKFIELD LV3 sp.6
Viscosity after 1 month 45°C	5,100 mPa.s BROOKFIELD LV3 sp.6
Viscosity recovery at RT (after 1 month at 45 °C)	7,100 mPa.s BROOKFIELD LV3 sp.6
Stability	> M1 at RT and 45°C > M1 after freeze-thaw cycles -5 / +40°C Stable after 20' centrifugation at 3000 rpm

Raw materials from SEPPIC

MONTANOV™ 82

Cetearyl alcohol & 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.

MONTANOV™ 202

Arachidyl Alcohol and Behenyl Alcohol and Arachidyl Glucoside

Glucolipid emulsifier in harmony with nature. It produces emulsions with a very light and evanescent sense of touch, which confers an easy application and a quick penetration. Their matt effect prevents skin from glossy and fatty aspect. Thanks to liquid crystals which contain water, Montanov™ 202 contributes to keep skins moisturized.

SEIPLUS™ 400

Polyacrylate-13 and Polyisobutene and Polysorbate-20

Thickening agent in liquid form ready to use (no predispersion or neutralization). Sepiplus™ 400 gives an improved electrolyte resistance. It also allows a good pick-up and guarantees a good spreadability and is compatible with a wide range of actives over a wide pH range (3 to 11).

SEPICIDE™ HB

Phenoxyethanol & Methylparaben & Ethylparaben & Propylparaben & Butylparaben

Preservative.

Other raw materials...

- Mineral Oil: **MARCOL 52 (EXXON)**
- Pentaerythrityl Tetraethylhexanoate: **DUB PTO (STEARINERIE DUBOIS)**
- Xanthan gum: **KELTROL CG-T (KELCO)**
- Fragrance: **Palmoflor Aromacool RS1 1686 (TECHNICO FLOR)**

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