



SKIN CARE CREAM INFLUENCE OF PROCESS ON MONTANOV BASED EMULSIONS 6885A

Formula

A	<ul style="list-style-type: none">• MONTANOV 202 (<i>Arachidyl alcohol & behenyl alcohol & arachidyl glucoside - SEPPIC</i>)• Caprylic capric triglyceride	2.50 % 20.00 %
B	<ul style="list-style-type: none">• SIMULGEL EG (<i>Sodium acrylate/acryloyldimethyltaurate copolymer and Isohexadecane and Polysorbate 80 - SEPPIC</i>)	1.00 %
C	<ul style="list-style-type: none">• Water	Up to 100 %
D	<ul style="list-style-type: none">• SEPICIDE HB (<i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben /Butylparaben - SEPPIC</i>)• SEPICIDE CI (<i>Imidazolidinyl urea - SEPPIC</i>)• Parfum/fragrance	0.30 % 0.20 % 0.10 %

Procedure

1 : high shear mixing equipment (with a rotor stator mixing head)

Melt fatty phase at 80°C. Heat water to the same temperature. Add A onto C then start homogenizer (rotor stator – 1500rpm) for 4' (DUMEK 2 kg batch). Introduce SIMULGEL EG, and stop heating. Keep homogenization until temperature is 60°C. then stop the homogenizer and allow to cool with moderate stir. At approx 30°C introduce preservatives.

2 : medium shear mixing equipment (with a defloculating stirrer)

If you don't have any high shear mixer, you can use a defloculating stirrer. Dipperse SIMULGEL EG into water the heat the resulting gel to 80°C. Separately heat the fatty phase to 80°C then add it to aqueous phase while mixing (3000rpm). Keep the same shear during all the cooling step. At approx. 30°C add preservatives.

Comments

MONTANOV 202

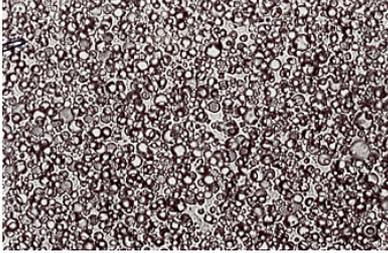
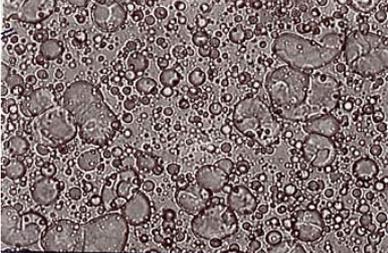
Glucolipid emulsifier in harmony with nature. It produces emulsions with a very light, evanescent feel that are easy to apply and rapidly absorbed. These emulsions leave the skin feeling soft and non-greasy. Their matt finish effect helps prevent shine. MONTANOV 202 can promote liquid crystals according to the emulsion diagram, creating water reservoirs within the emulsion to help maintain skin moisturization. In combination with the other grades of the MONTANOV range, MONTANOV 202 can be used to modulate the texture and flexibility of the emulsions as desired.

SIMULGEL EG

Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). SIMULGEL EG perfectly stabilizes emulsions against high temperatures giving rich, silky texture that are easy to apply and rapidly absorbed by the skin.



Characteristics

Procedure	1	2
Appearance	Supple cream	
pH	6.8	
Viscosity	30,000 mPa.s BROOKFIELD LV 6rpm	29,000 mPa.s BROOKFIELD LV 6rpm
Stability	Stable at room temperature/40/50°C Stable after freeze thaw cycles -5/+40°C Stable when centrifuged 20' at 3000rpm 50°C	
Microscopic examination		
Droplets' size	6μ	6 to 30μ
Texture analysis 57CO055 : measures suppleness and consistency	Maximal compression force (Newton,N) : 0.2N This force is the required force for the spin to penetrate into the product at a fixed speed and deepness : the lower the force, the greater the suppleness. Whatever the chosen process, consistency is the same.	

NB : With the process 1 using a rotor stator mixing head, 0.5% SIMULGEL EG is enough to guarantee a fine granulometry of the emulsion.

Notes

Caprylic capric triglyceride: DUB MCT (STEARINERIE DUBOIS)

Fragrance: ESPRIT DE FLEUR RS8217 (TECHNICOFLOR)

6885A –SEPPIC – A0302

Since this formula has not been the object of a toxicological study, the use and handling of the products proposed is purely indicative and SEPPIC accepts no responsibility for their use by another party.