



SUN CREAM SMOOTH TEXTURE - VIVO SPF 10 6803

Formula

A	▪ MONTANOV 82 (<i>Cetearyl alcohol/coco-glucoside - SEPPIC</i>)	4.2 %
	▪ SEPIFEEL ONE (<i>Palmitoyl proline / Magnesium palmitoylglutamate / Sodium palmitoyl sarcosinate - SEPPIC</i>)	0.8 %
	▪ C12-C15 alkyl benzoate	20.00 %
	▪ Glycerin	7.00 %
	▪ Tromethamine	0.20 %
	▪ Titanium dioxide	7.00 %
B	▪ Cyclomethicone	5.00 %
	▪ SEPIGEL 305 (<i>Polyacrylamide/C13.14 Isoparaffin/Laureth-7 - SEPPIC</i>)	2.00 %
C	▪ Tetrasodium EDTA	0.20 %
	▪ Water	qsp 100 %
	▪ Magnesium aluminium silicate	1.00 %
	▪ Xanthan gum	0.30 %
E	▪ SEPICIDE HB (<i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben /Butylparaben - SEPPIC</i>)	0.30 %
	▪ SEPICIDE CI (<i>Imidazolidinyl urea - SEPPIC</i>)	0.20 %
	▪ DL alpha Tocopherol	0.05 %
	▪ Fragrance	0.30 %

Procedure

Melt ingredients in A at 75°C. Disperse the silicate then the xanthan gum into the water. Heat water phase to 75°C. Introduce A into C then start homogenizer. Add ingredients in B and continue homogenization for few minutes. Allow to cool under moderate stir. Add ingredients in E at 30°C. Adjust final pH if necessary.

Comments

MONTANOV 82 Glucolipid emulsifier in harmony with nature. It facilitates the formulation of sun care products that are stable in terms of texture, dispersion of sunscreens, protection factor, etc.

SEPIFEEL ONE Significantly enriches the texture and reduces the watery feel without adding any greasy feel. SEPIFEEL ONE guarantees even, stable dispersion of mineral agents over time.

SEPIGEL 305 Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). Provides a soft, non-sticky feel.

SEPICIDE HB / CI Preservatives.



Comments

Appearance	White emulsion.
pH	Approx 7.5
Viscosity	Approx 100,000 mPa.s BROOKFIELD LV4 6rpm
Stability	Stable at RT/40/50°C Stable after freeze-thaw cycles -5/+40°C Stable when centrifuged 20' 3000rpm 50°C

Assessment

SPF stable over time - in vitro (after 1 month/ 3 months/ 6 months/ 1 year) : $10 \pm 2 / 9.5 \pm 2 / 9 \pm 2 / 9 \pm 2$

(protocol SEPPIC 57CO033, vitro skin®, spectrophotometer LABSPHERE®)

SPF - in vivo (measured after 1 month) : 9 ± 2

(5 volunteers - report IEC ref 0660RD)

Notes

Cylcomethicone: DC345 (DOW CORNING)

Fragrance : APHRODIS X010.029 (QUEST)

Titanium dioxide: M262 (KEMIRA)

Magnesium aluminium silicate: VEEGUM HS (VANDERBILT)

Xanthan gum: KELTROL T (KELCO)

6803- SEPPIC – A0207

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.