



THICK CREAM 7004

This formulation illustrates how easy it is to thicken SENSANOV based émulsion and also gives our best advices about how to process carbomer in such emulsions

Formula

A	• SIMULSOL 165 (<i>Glyceryl stearate and PEG-100 stearate - SEPPIC</i>)	2.00 %
	• SENSANOV WR (<i>C20-22 Alkyl phosphate and C20-C22 alcohols - SEPPIC</i>)	1.00 %
	• Isopropyle palmitate	10.00 %
	• Squalane	5.00 %
	• LANOL P (<i>glycol palmitate - SEPPIC</i>)	3.00 %
B	• Water	to 100%
	• Carbomer	0.50 %
C	• Tromethamine	0.60 %
D	• SEPICIDE HB (<i>Phenoxyethanol & Methylparaben & Ethylparaben & Propylparaben & Butylparaben - SEPPIC</i>)	0.30 %
	• SEPICIDE CI (<i>Imidazolidinyl urea - SEPPIC</i>)	0.20 %
	• Fragrance	0.20 %

Procedure

Recommended procedure consists to introduce the total amount of the neutralising base at the beginning of the process in order to optimize hydrophilic behaviour of SENSANOV and thus to obtain the thinner emulsion. Heat fatty phase to 75°C. Disperse the carbomer into water and heat water phase to 75°C. Add fatty phase to water phase, start homogenization introduce the neutralizing base directly into the emulsion. Homogenize (rotor stator) for 10' (7kg trimix) then allow to cool under gentle stir. Add preservatives and fragrance at 30°C - homogenize few minutes.

Comments

SENSANOV™ WR

Versatile phosphate anionic emulsifier effective at low dosage (1 to 3%) Provides a feeling of lightness followed by the sensation of a matt velvety veil which slowly envelops the skin. Finally SENSANOV emulsions leaves the skin supple with a long lasting sensation of comfort.

LANOL™ P

Texturizing agent useful to increase thickness without whitening effect onto the skin.

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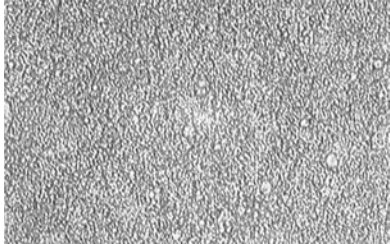
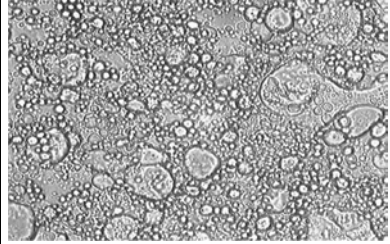
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SEPICIDE HB SEPICIDE CI Preservatives

Characteristics

	Emulsion according to the recommended procedure with addition of the total amount of the neutralizing base at the beginning of the process	Emulsion with partial addition of the neutralizing base at the beginning of the process and complementary neutralization at the end of the process
Appearance PH Viscosity BROOKFIELD Iv 6rpm room temp. Viscosity* BROOKFIELD à 45°C Iv 6rpm 1 Viscosity* when coming back to room Temp	White emulsion approx 6 230 000 mPa.s 90 000 mPa.s 240 000 mPa.s	White emulsion approx 6 120 000 mPa.s not stable not stable
Stability	Stable > M1 at room temp TA and 45°C	Stable > M1 at room temp slight water separation at 45°C
Microscopic appearance		

* samples staying at 45°C for one month

Notes

Squalane : Phytosqualane (PHYTOCHIM)
 Isopropyle palmitate (STEARINERIE DUBOIS)
 Carbomer : CARBOPOL ULTREZ 10 (NOVEON)

7004 – SEPPIC – 0504

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.

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