



LIQUID FOUNDATION. FOR A NATURAL AND MATT SKIN TONE 6789

Formula

A	• Water	9.50 %
	• Butylene glycol	2.00 %
	• PEG-400	2.00 %
	• PECOSIL PS100 (<i>Dimethicone copolyol PEG-7 phosphate - PHOENIX</i>)	0.50 %
	• Sodium Hydroxyde	QS pH=9
	• Titanium dioxyde	3.50 %
	• Talc	1.00 %
	• Iron oxyde yellow	0.41 %
	• Iron oxyde red	0.15 %
• Iron oxyde black	0.025 %	
B	• MONTANOV L (<i>C14-22 alcohol and C12-20 alkylglucoside - SEPPIC</i>)	2.00%
	• Isononyl isononanoate	4.00%
	• Caprylic capric triglyceride	4.00%
C	• Cyclomethicone	2.00%
	• Xanthan gum	0.50%
	• Magnesium aluminium silicate	1.00%
D	• Water	QSP 100%
	• Tetrasodium EDTA	0.05%
	• MICROPEARL M305 (<i>Methylmethacrylate crosspolymer - SEPPIC</i>)	2.00%
E	• SEPICIDE HB (<i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben/Butyl paraben - SEPPIC</i>)	0.50%
	• SEPICIDE CI (<i>Imidazolidinyl urea - SEPPIC</i>)	0.30%
	• Fragrance	0.20%

Procedure

Mix together the liquid ingredients of phase A and then adjust the pH to approximately 9 before adding the pigments. Grind the pigments using a bead mill (make up more than will be needed to compensate for losses). Melt the ingredients in B at a temperature of 75°C. Heat the water in the main tank then add the MICROPEARL M305, the EDTA and the pigment paste (A) while heating continuously. Add C in B the introduce (B + C) in the warm water phase; then start the emulsification process. Gradually allow to cool down and, when the temperature reaches about 30°C, add the ingredients in E. Adjust the final pH, if necessary.



Comments

MONTANOV L A natural, glycolipid emulsifying agent; perfectly suited to the production of fluid and highly-fluid formulas. Easy to stabilize, even at very low viscosities. MONTANOV L is likely to generate liquid crystals according to the emulsification process and the emulsion scheme.

MICROPEARL M305 Smooth, ultra-soft microspheres which give foundation creams a slightly powdery feel. To enhance this effect, increase the concentration of the Micropearl M305. By virtue of its high dispersion coefficient in water, levels of 10 to 15% can be obtained without any clumping problems. MICROPEARL M305 also contributes to the anti-shine effect of cosmetics by helping to eliminate specular reflections.

Characteristics

Appearance tinted milk
Viscosity approximately 8,000 cps BROOKFIELD LV3 6rpm
pH approximately 7.5
Stability stable at TA/40/50°C and after freeze-thaw cycles -5 / +40°C

Assessment

Methods available on request (57CO040 – 57CO041 – 57CO042 – 57CO043)

- Pigment dispersion can be checked by spreading on an opacity card
- Stable color over time:

Measurement after 1 week	L = 70.94, a = 17.61, b = 21.77
Measurement after 6 monthes	L = 71.6, a= 19.1 , b= 23.6

- Shine: 2.5
- Covering power: 93.5%

Note

PEG-400 : LUTROL E400 (BASF)
Iron oxide yellow: SICOVIT yellow 10 E172 (BASF)
Iron oxide red: SICOVIT red 30 E172 (BASF)
Iron oxide black: SICOVIT (BASF)
Titanium dioxide USP (WITTAKER)
Cyclomethicone: DC 345 (DOW CORNING)
Xanthan gum: KELTROL T (KELCO)
Magnesium aluminium silicate: VEEGUM HV (VANDERBILT)
Talc: LUZENAC 000C (LUZENAC)
Fragrance: LIANE X018.433 (QUEST)

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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.