

Guide Formulation

Foundation with SPHERILEX® 10 PC

Let your eyes shine and not your skin - use a foundation with mattifying SPHERILEX® 10 PC

PHASE	INGREDIENTS	INCI NAME	%	FUNCTION
1	Axol® C 62 Pellets MB	Glyceryl stearate citrate	3.00	Emulsifier
	ABIL® EM 90	Cetyl PEG/PPG-10/1 dimethicone	0.60	Emulsifier
	TEGOSOFT® OER MB	Oleyl erucate	5.00	Emollient
	TEGOSOFT® DEC	Diethylhexyl carbonate	4.00	Emollient
	ABIL® Wax 9801	Cetyl dimethicone	2.00	Emollient
2	TEGOSOFT® DEC	Diethylhexyl carbonate	4.00	Emollient
	Pigment white	CI 77891	7.00	Pigment
3	Pigment brown	CI 77499 (and) CI 77491 (and) CI 77492	0.60	Pigment
	Glycerin	Glycerin	4.00	Humectant
	Water	Water	ad 100.00	Water
	EDTA	Tetrasodium EDTA	0.10	Chelating agent
	Butylene glycol	Butylene Glycol	4.00	Humectant
4	TEGO® Carbomer 341 ER (2% in water)	Acrylates/C10-30 alkyl acrylate crosspolymer	20.00	Rheology/stabilization
	Preservative	Preservative	q.s.	Preservative
	Sodium hydroxide 10 %	Sodium hydroxide	1.00	pH-value
5	SPHERILEX® 10 PC	Hydrated silica	5.00	Matting agent / Sensory modification
		Total	100.00	

HPC 1933/3

NOTE: All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and / or using raw materials from other sources.

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PROCESSING

- Mix all ingredients of phase 1 and heat to 80-85 °C.
- Prepare 2 % Carbomer mixture. Add the carbomer to the water while stirring. Mix until homogeneous.
- Prepare phase 2 by grinding the pigments in TEGOSOFT® DEC.
- Add phase 2 into 1, while stirring. Homogenize. Keep phases 1 and 2 at 80-85 °C.
- Add phase 3 into phases 1 and 2 while stirring and homogenize with rotor stator with 20000 rpm 90 sec.
- Cool down to 40 °C while well stirred by hand, phase inversion to O/W.
- Homogenize again with rotor stator.
- Add phase 4 and 5 while stirring with moderate speed.

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