

CA 1043 Hair Wax

Ingredients	%(w/w)	Functions	INCI designation	Supplier
Phase 1				
Deionised water	56.15			
Propylene Glycol	6.5	Emollient		
Ultrez 20	0.3	Gelling agent		
NaOH(20% Solution)	0.15	Neutralizer		
Phase 2				
Apifil	2	o/w emulsifier	PEG-8 Beeswax	Gattefosse
Compritol 888 ATO	4	Compacting agent	Glyceryl Dibehenate/Tribehenin/Glyceryl Behenate	Gattefosse
Microcrystalline Wax	1	Thickener		
Corum 2340	4	Emollient	Glyceryl Stearate	Corum
Florasun 90	2	Emollient	Helianthus Annuus (Sunflower) Seed Oil	Floratch
Cetyl Alcohol	3.6	Thickener		
Stearic Acid	1	Thickener		
Silsurf J208	3.8	Feeling agent	PEG-8 Dimethicone	Siltech
Syntran PC 5112	15	Quick Setting Agent		Interpolymer
Phase 3				
Microcare MTP	0.2	Preservatives		
Fragrance	0.3	Perfume		Technico Flor
Total	100			

Process:

1. Add Propylene Glycol into water and stir until homogenous. Then disperse Ultrez 20 over the water. Let stand.
2. Then, add NaOH to adjust the pH of the system within 6.5-7.
3. Add Phase 2 heated to 80°C to Phase 1 heated to 80°C.
4. Finally, add Phase 4 into the mixture when the temperature of the mixture cooled down below 40°C and stir until homogenous.

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