

Guide Formulation

Personal Care

Face Cream (FC-2)

In this facial cream formulation, SeraSense® GB 10 (Cyclopentasiloxane (and) Dimethiconol) aids the spreading of actives and gives a silky soft feel.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Deionised Water	To 100	-	Vehicle
Glycerin	2.50	Surfac G995V/Surfachem	Humectant
Cetearyl Ethylhexanoate (and) Isopropyl Myristate	4.00	Crodamol CAP/Croda	Emollient
Helianthus Annuus (Sunflower) Seed Oil	3.00	Sunflower Oil/Surfachem	Emollient
Cetyl Alcohol	2.00	Crodacol C90/Croda	Bodifying Fat
Cetearyl Alcohol	3.00	Crodacol CS90/Croda	Bodifying Fat
Ceteareth-20	2.00	Brij CS20/Croda	Emulsifier
Acrylates Copolymer	5.00	Carbopol Aqua SF-1/Surfachem (Lubrizol)	Thickener
Cyclopentasiloxane (and) Dimethiconol	4.00	SeraSense® GB 10/KCC Beauty	Skin Feel
Preservative	q.s.	-	Preservative
Parfum (Fragrance)	q.s.	-	Fragrance

Typical Properties

Appearance:	Viscous, white cream
Viscosity @ 25°C:	>300000cP (Brookfield Helipath, T bar C, 10rpm)
pH @ 25°C:	6.5 - 7.5

Method

Add the water to the vessel. Begin heating to 75°C.

Add the ingredients up to the Carbopol. Mix for 10 minutes at 75°C. Cool to <50°C.

Add the Carbopol and neutralise to between pH 6.5 and 7.5 with NaOH solution if required.

Add the rest of the ingredients, stir until homogenous.

Check pH and viscosity.



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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.