

## Guide Formulation

### Personal Care

# CC Cream (SPF 35, PA++) (MJ14D\_S5)

This ultra-soft and easily absorbed formulation is also extremely long-wearing thanks to the combination of **SeraSense® RB 22** and **SeraSense® AC 15**. Both materials are film-formers with the ability to resist oil and water.

RawMaterial/INCI Name	%w/w	Trade name/Supplier	Function
Phase A			
Cyclopentasiloxane (and) Cyclohexasiloxane	4.00	SeraSense®SF CM56/KCC Beauty	Skin Conditioning
Methyl Trimethicone	6.00	SeraSense®SF MTM/KCC Beauty	Fast Absorption, Moisturising
Phenyl Trimethicone	3.00	SeraSense®SF PTM/KCC Beauty	Moisturising, Film Forming, Radiance
Cetyl PEG/PPG-10/1 Dimethicone	3.00	SeraSol®SC 83-A+/KCC Beauty	W/O Emulsifier
PEG-10 Dimethicone	1.00	SeraSol®SC 86A/KCC Beauty	W/O Emulsifier
Stearyl Dimethicone (and) Octadecene	1.00	SeraSoft®SW 70-A/KCC Beauty	Viscosity Modifier
Squalane	3.00	Various	Moisturiser
Mica (and) Titanium Dioxide	0.50	Flamenco Red/Engelhard Corp.	Pigment
BB Base	12.00	BB Base/EnTOP	Pigment
Ethylhexyl Methoxycinnamate	7.00	Uvinul MC-80/BASF	UVB Absorber
Ethylhexyl Salicylate	4.50	PARSOL® EHS/(Adina) DSM	UVB Absorber
Titanium Dioxide (and) Aluminium Hydroxide (and) Stearic Acid (and) Cyclopentasiloxane (and) PEG-10 Dimethicone	6.00	ChoiceTitan 40/Choice Trade	UV Absorber
Disteardimonium Hectorite	1.20	Bentone 38V/Azelis (Elementis Speciality)	Thickener
Cyclopentasiloxane (and) Trimethylsiloxysilicate	3.00	SeraSense®RB 22/KCC Beauty	Fixative
Acrylates/Dimethicone Copolymer (and) Cyclopentasiloxane	4.00	SeraSense®AC 15/KCC Beauty	Fixative
Phase B			
Aqua (Water)	To 100	-	Vehicle
Glycerin	5.00	Various	Humectant
Butylene Glycol	3.00	Various	Humectant
Sodium Chloride	0.80	Various	Buffer
Disodium EDTA	0.02	Various	Chelating Agent
Phase C			

Phenoxyethanol	0.30	Various	Preservative
Caprylhydroxamic Acid (and) Caprylyl Glycol (and) Glycerin	0.30	Spectrastat/Azelis (Inolex)	Preservative
Parfum (Fragrance)	q.s.	-	Fragrance

## Typical Properties

Appearance:	Dual-phase Emulsion
Viscosity @ 25°C:	14,000 – 26,000cP (Brookfield LVDV II, LV-4, 6rpm)
pH @ 25°C:	n/a

### Method

Mix the ingredients of Phase A until homogenous

In a separate vessel, mix the ingredients of Phase B until homogenous. Slowly add Phase B to A with stirring

Slowly add Phase C to A+B, with stirring



Scan me to find out more about KCC Beauty online!

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.